

FIG. 1

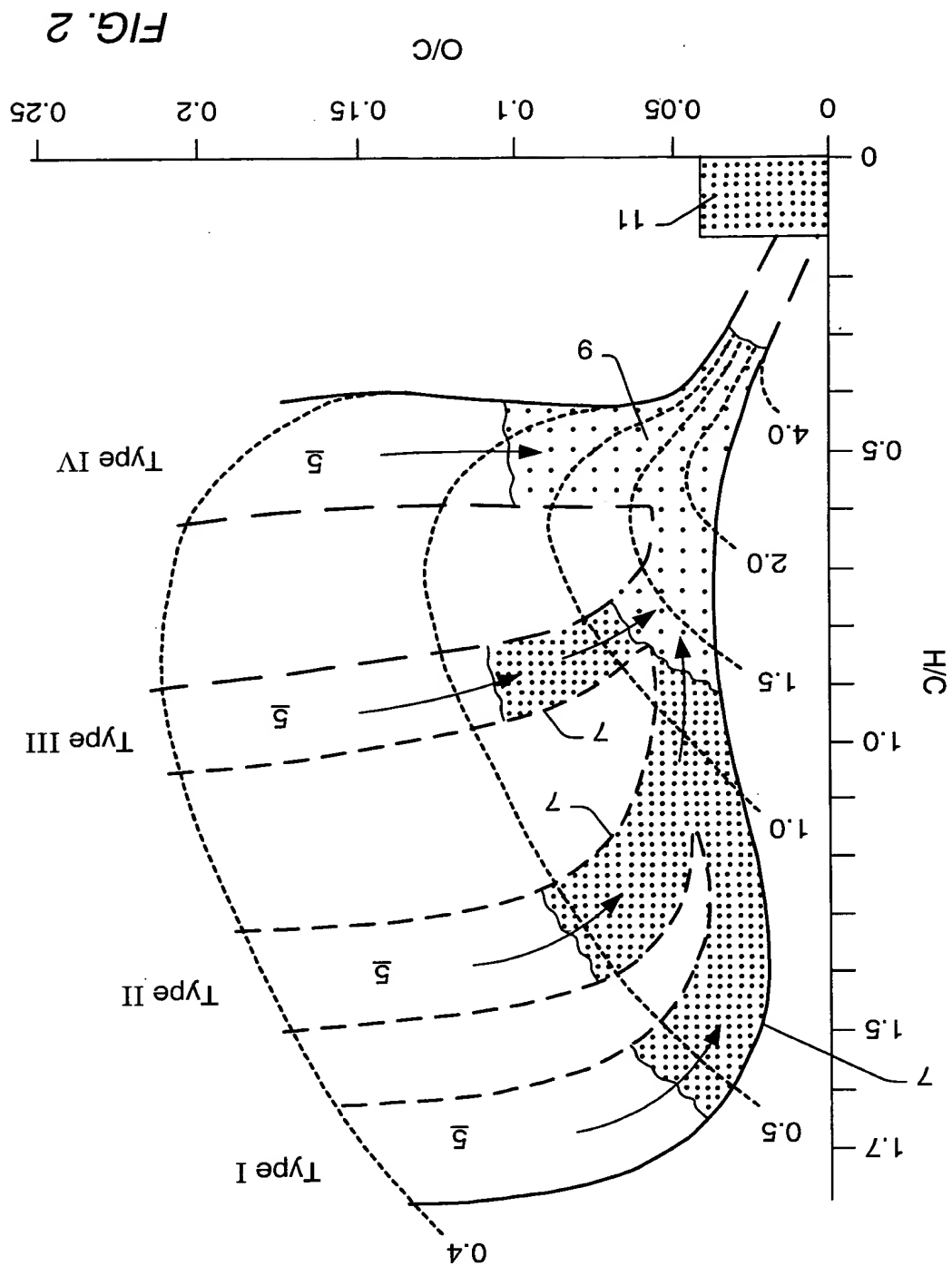


FIG. 2

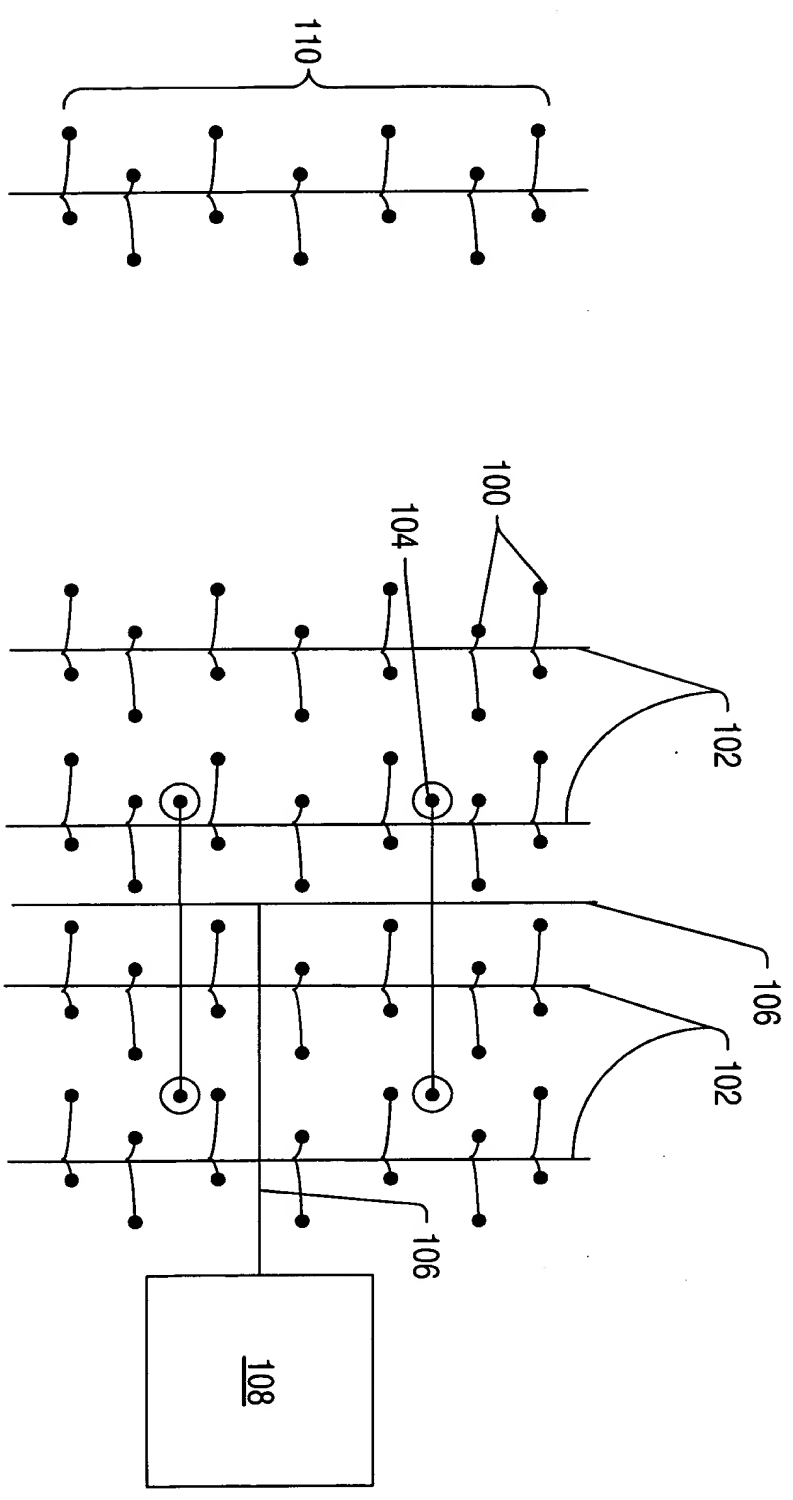


FIG. 3

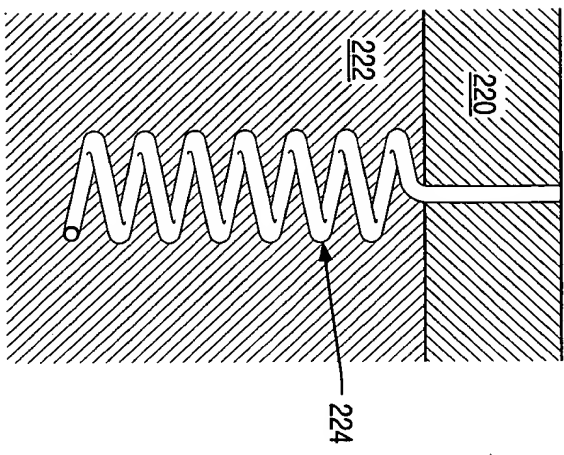


FIG. 3a

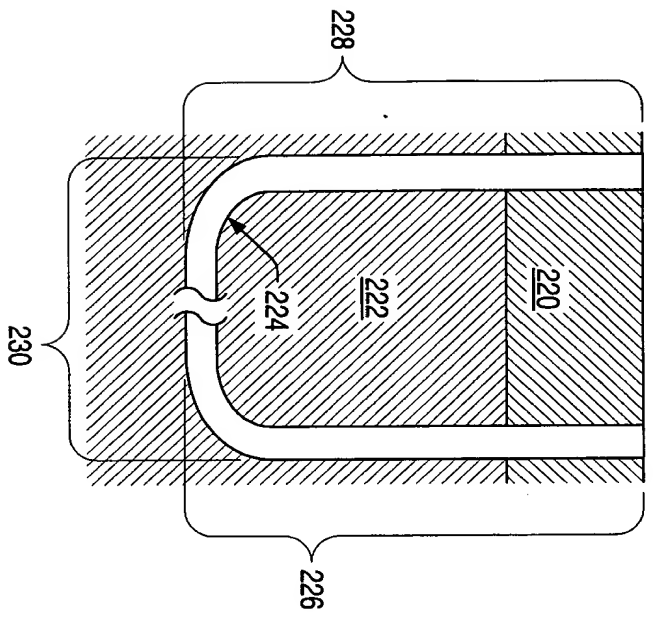


FIG. 3b

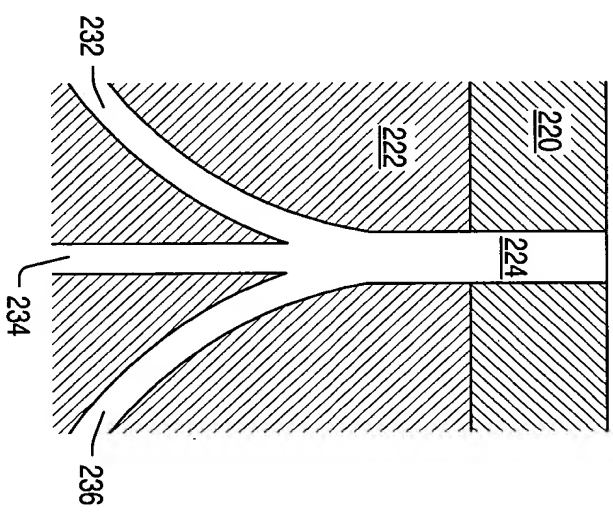
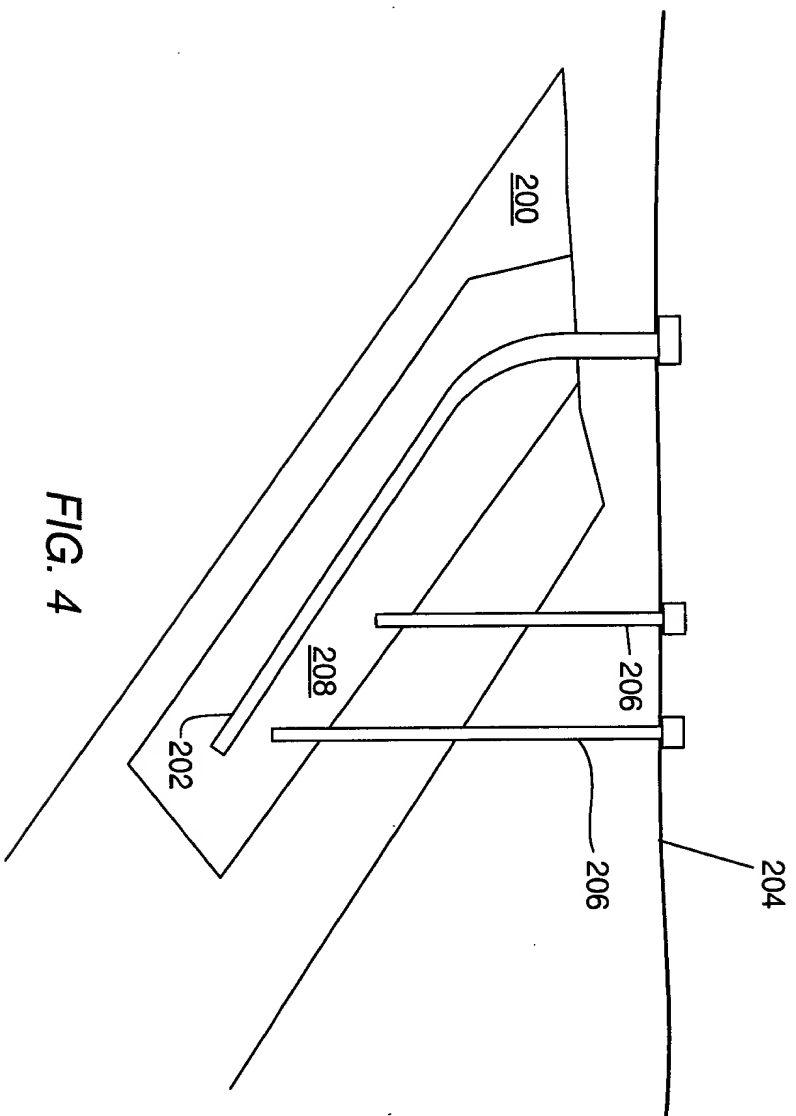
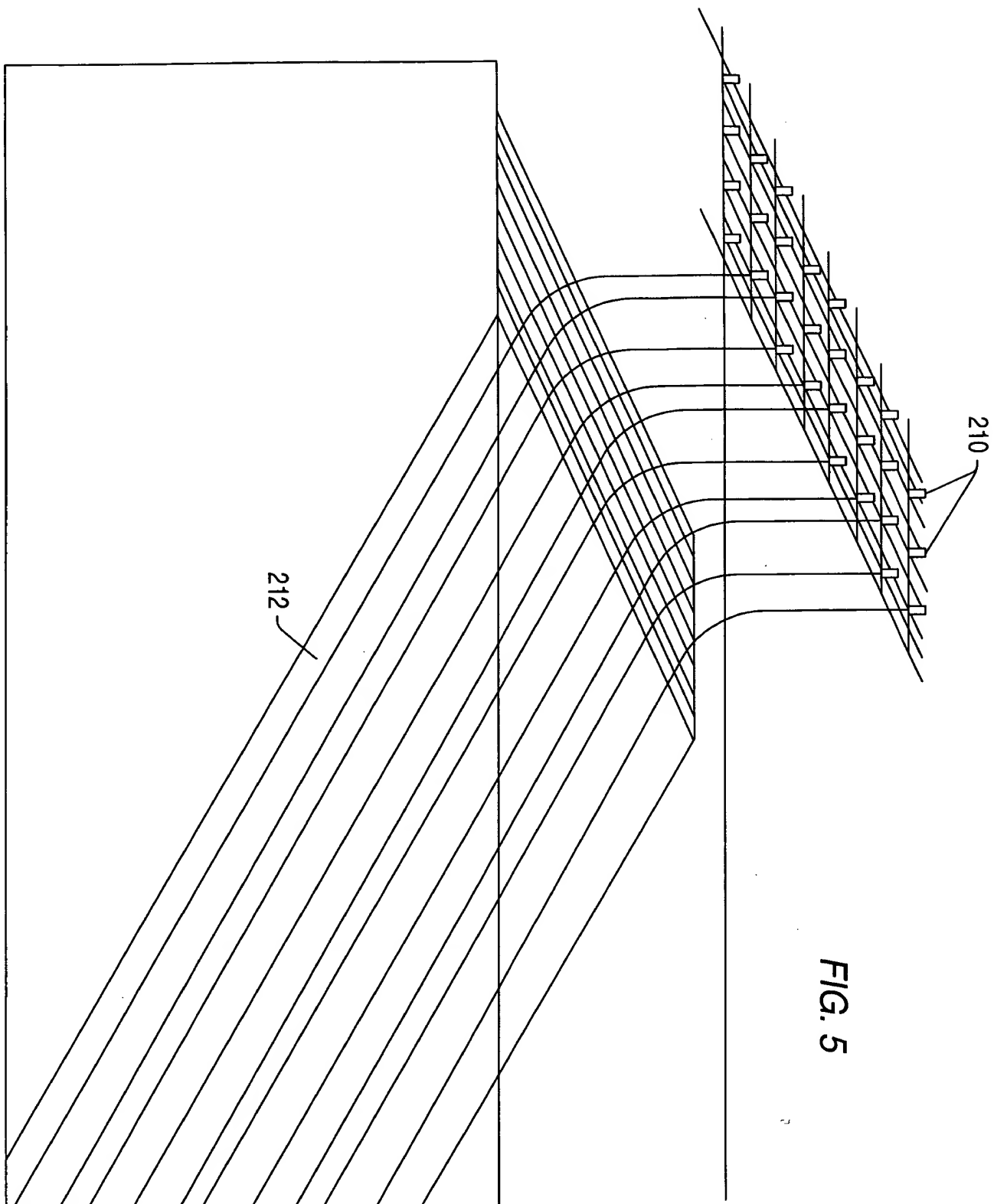


FIG. 3c





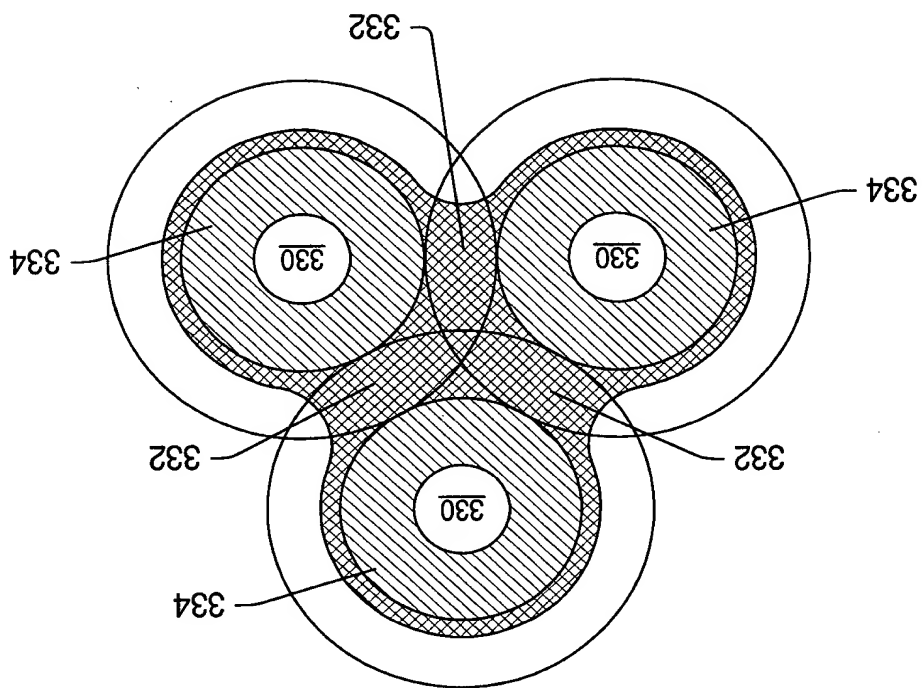
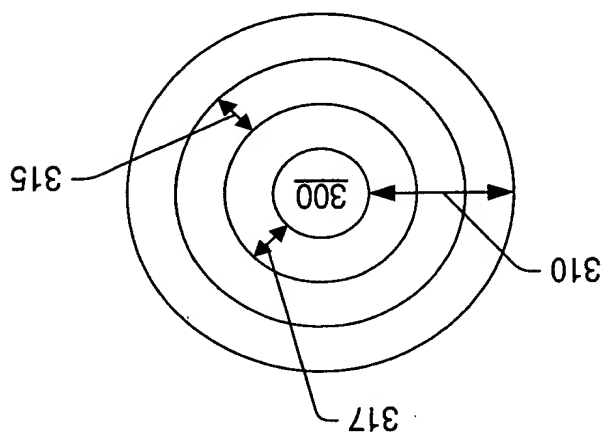


FIG. 6



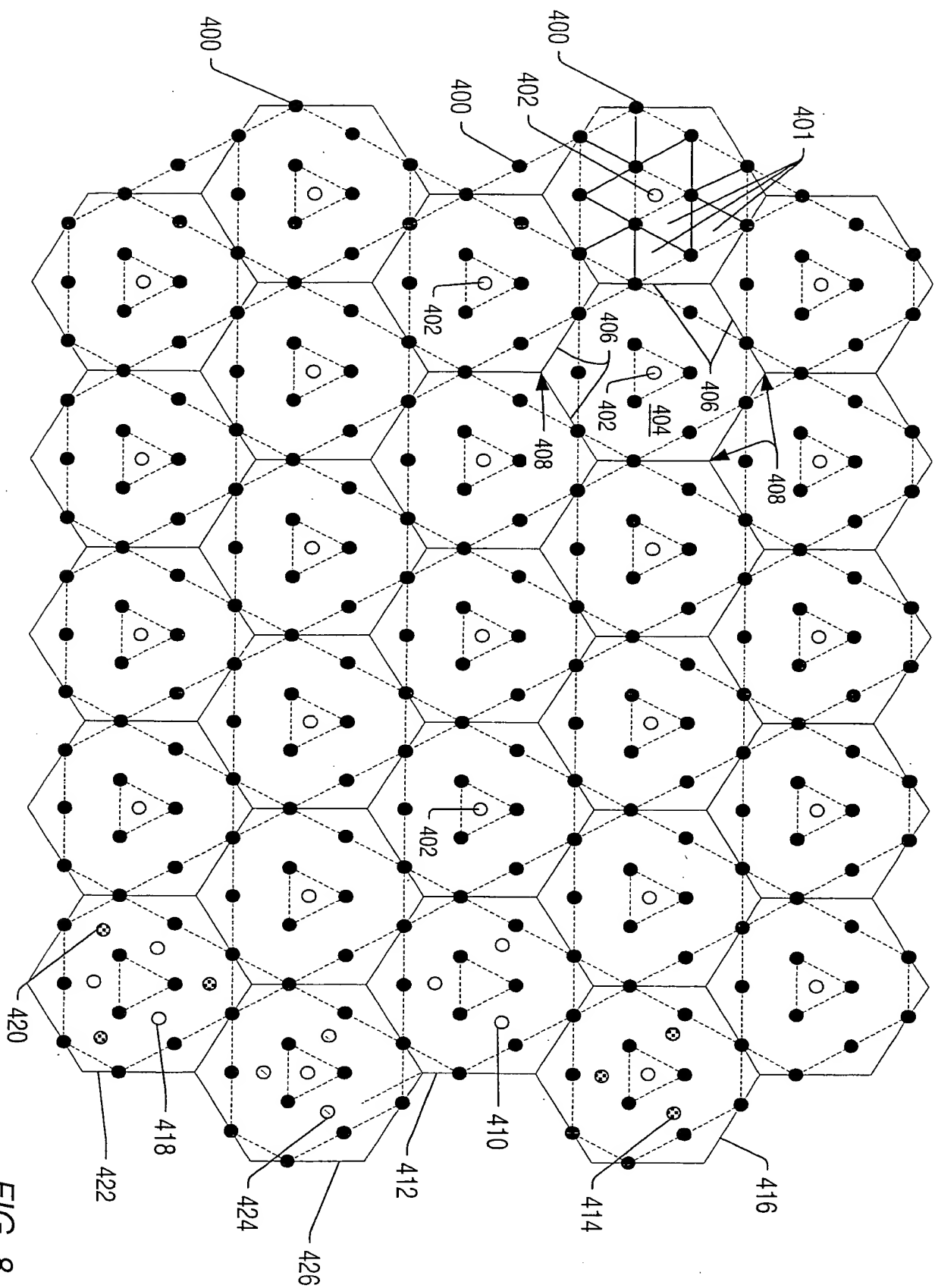


FIG. 8



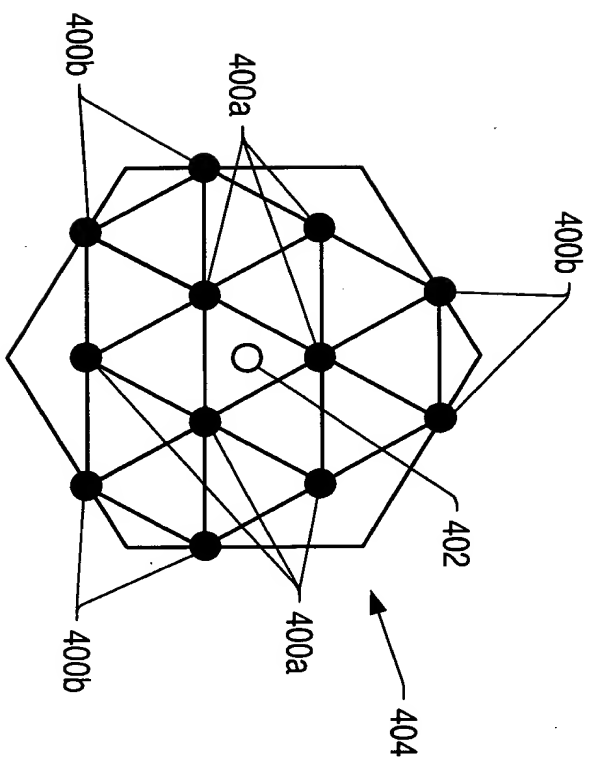


FIG. 9

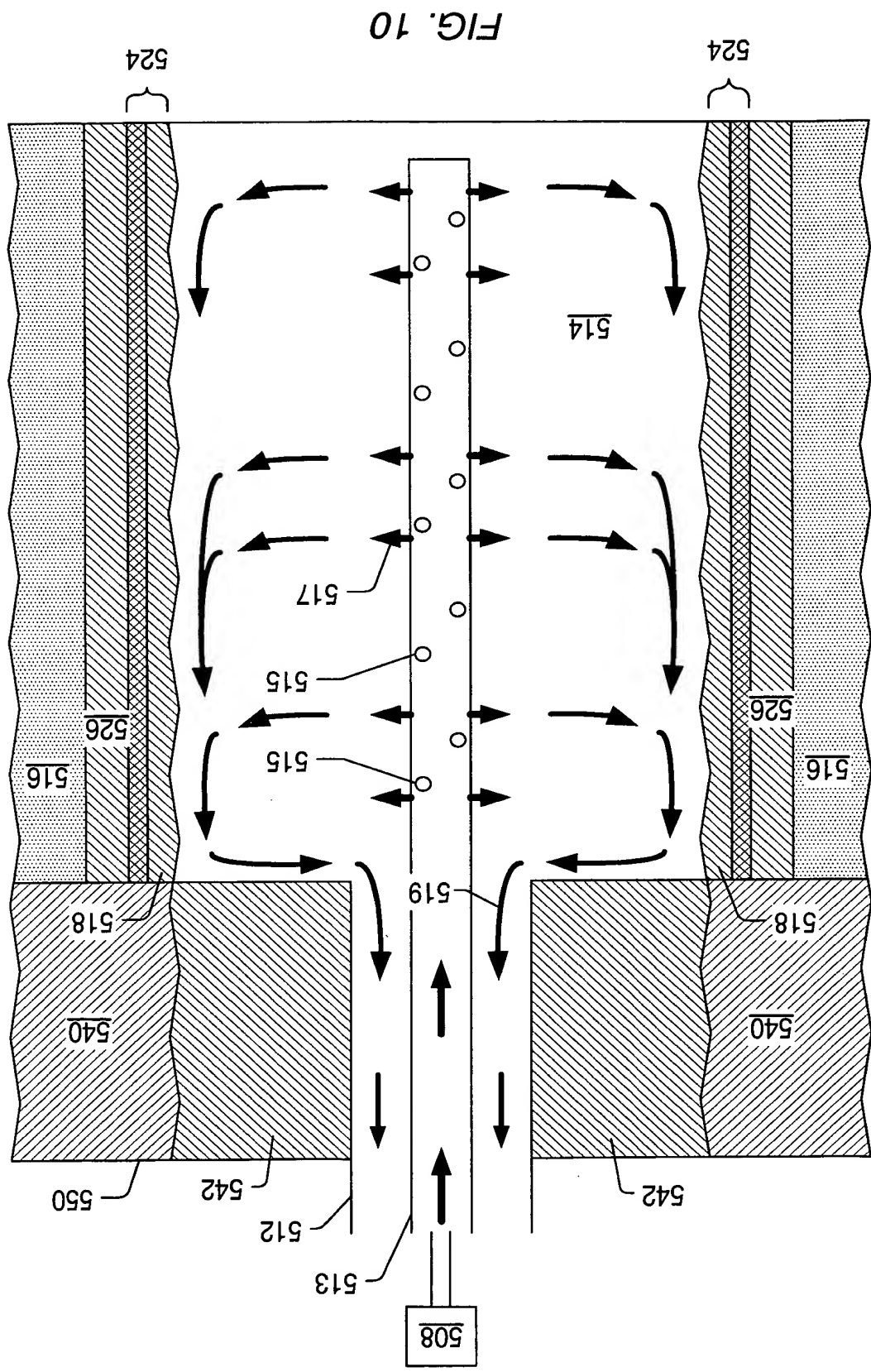


FIG. 12

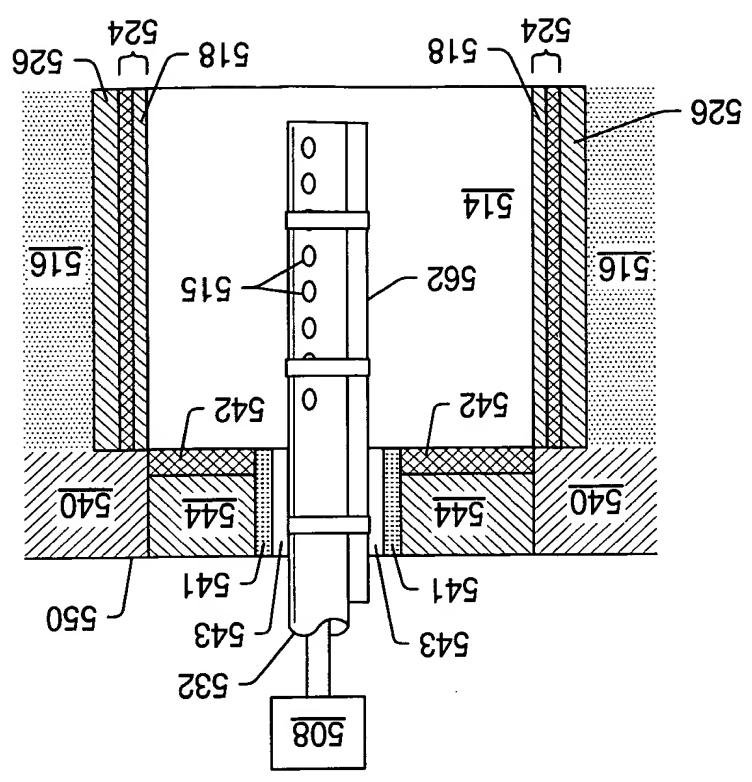
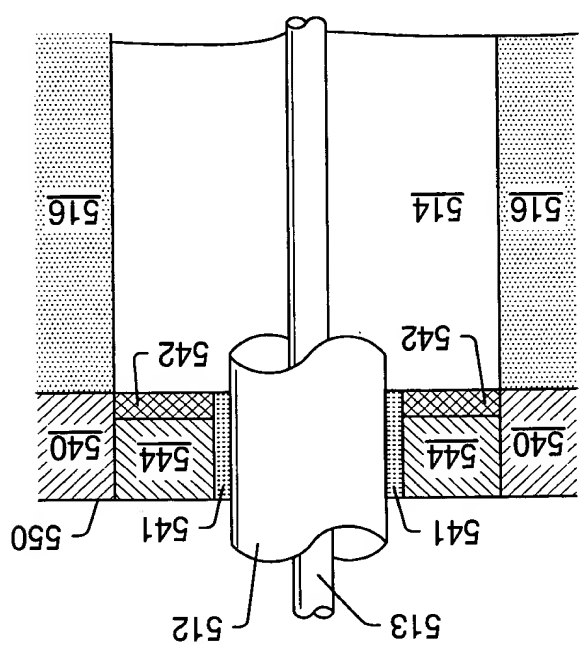


FIG. 11



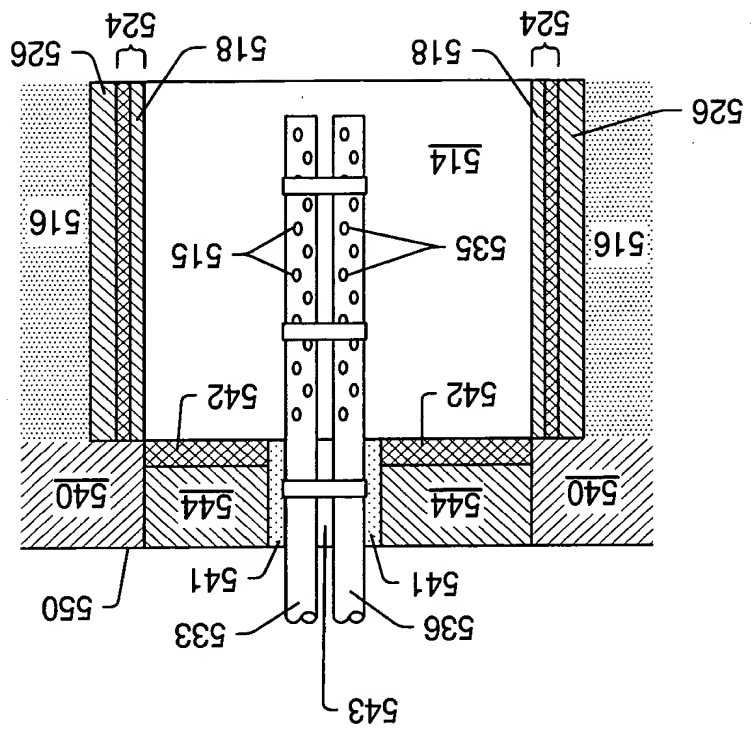


Fig. 13

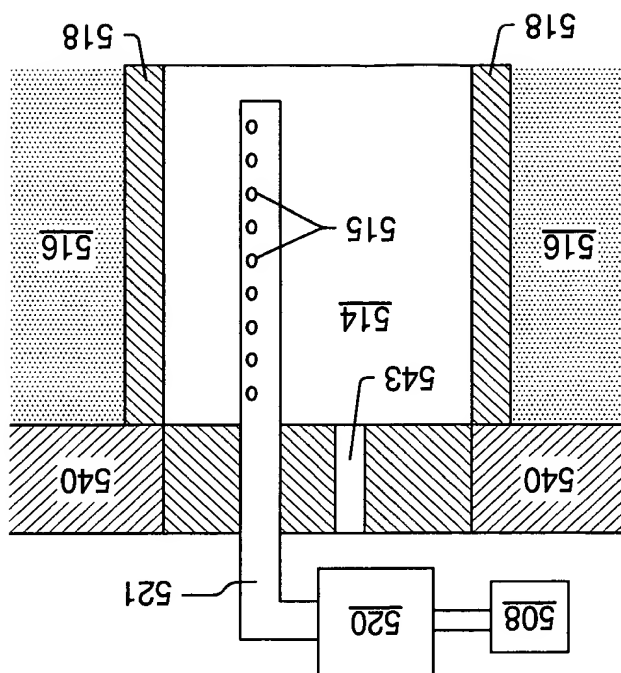
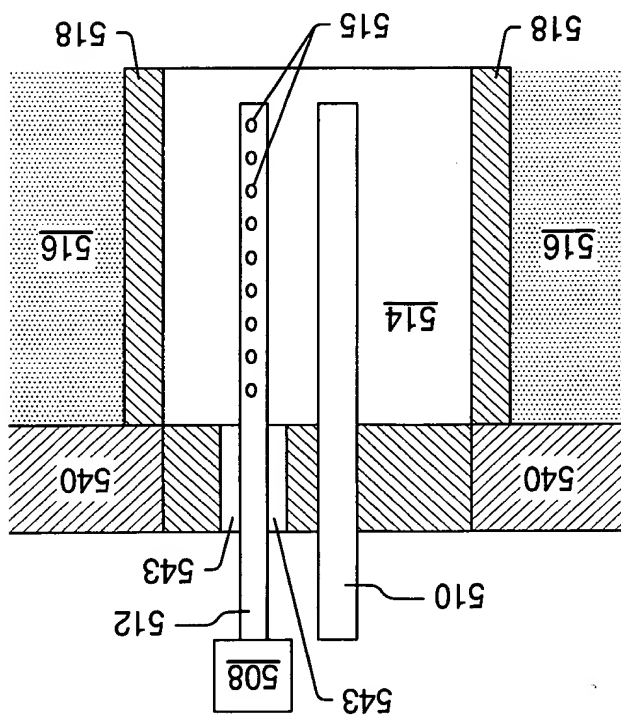


FIG. 15



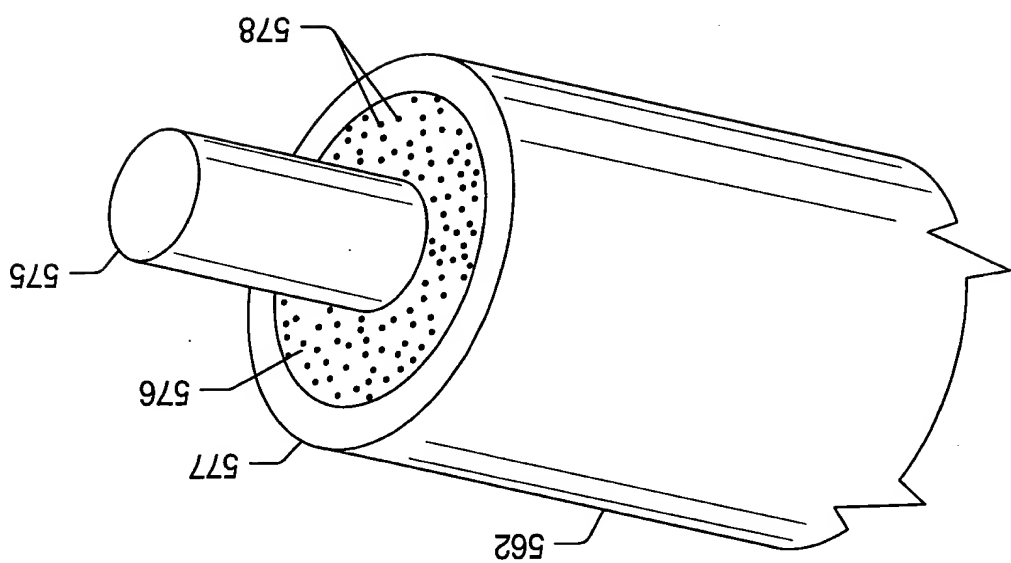


FIG. 16

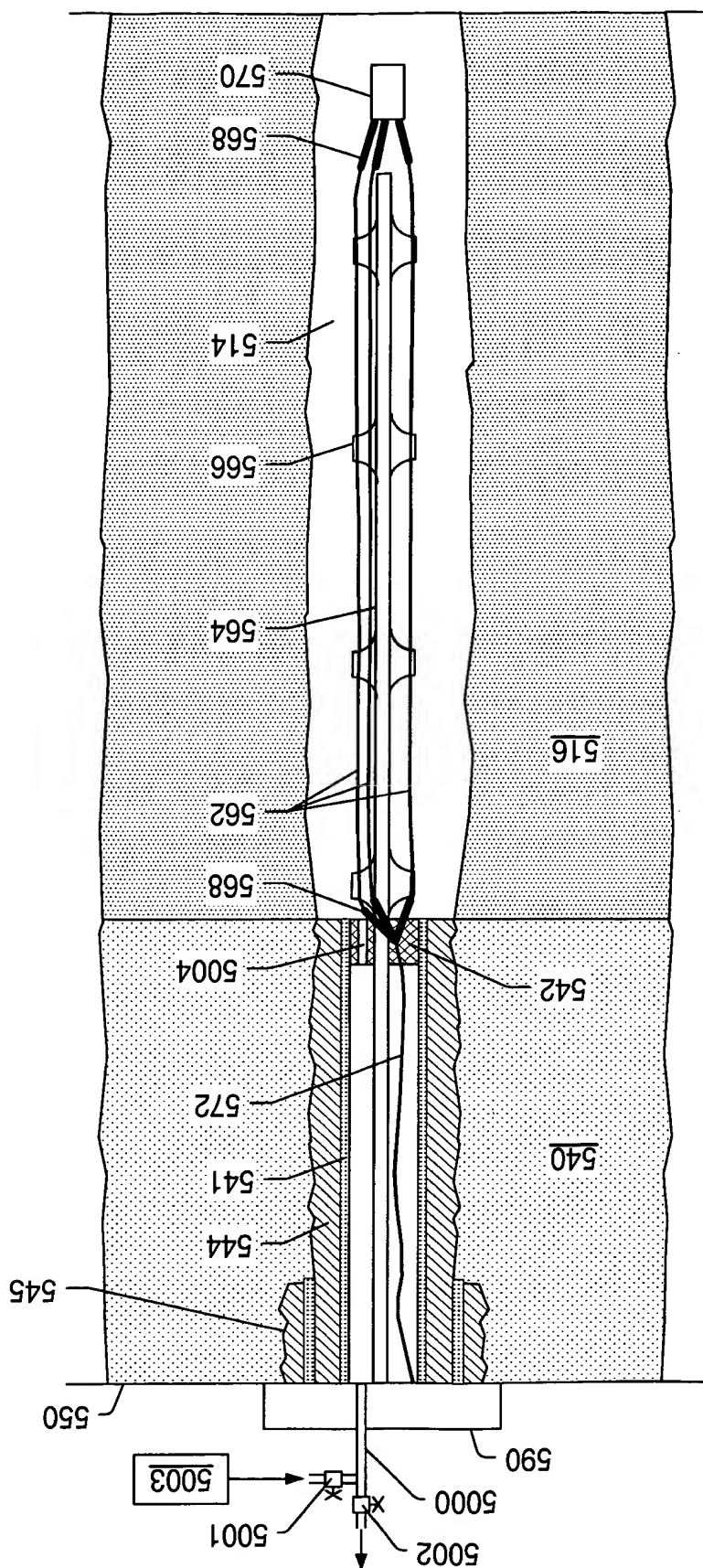
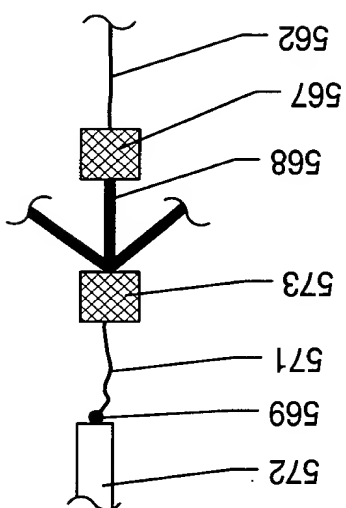


FIG. 17A









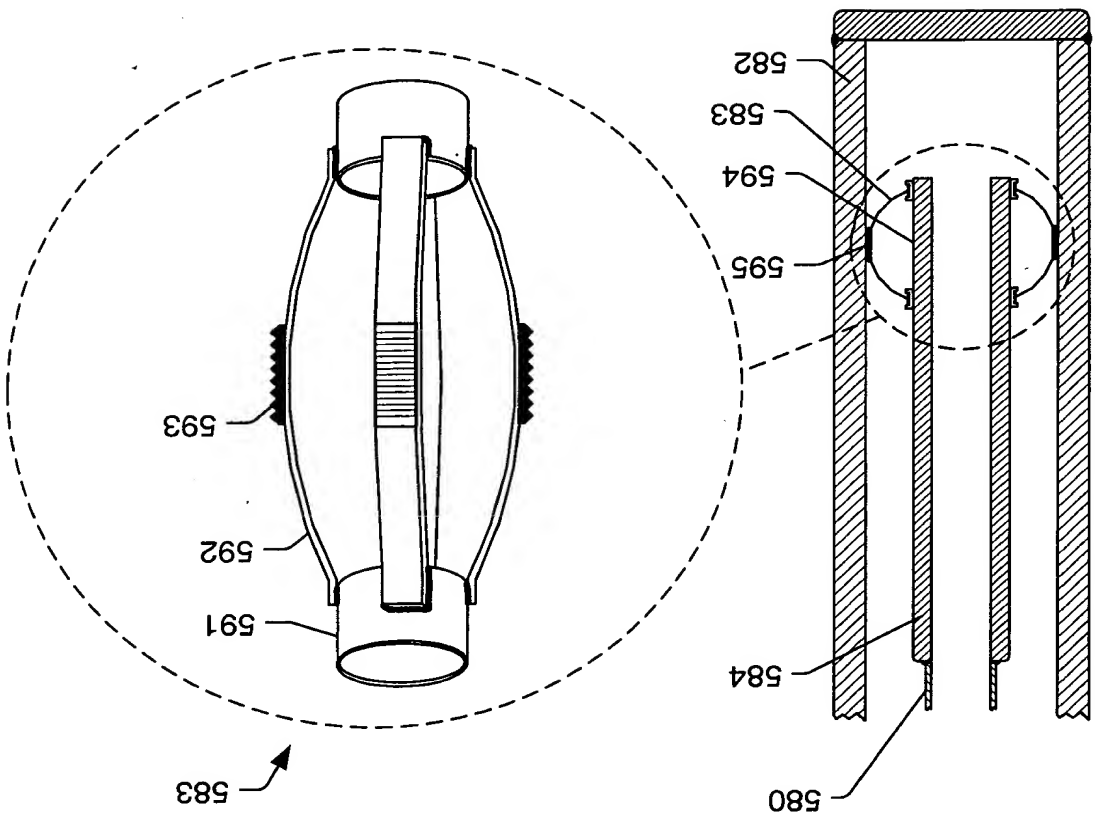
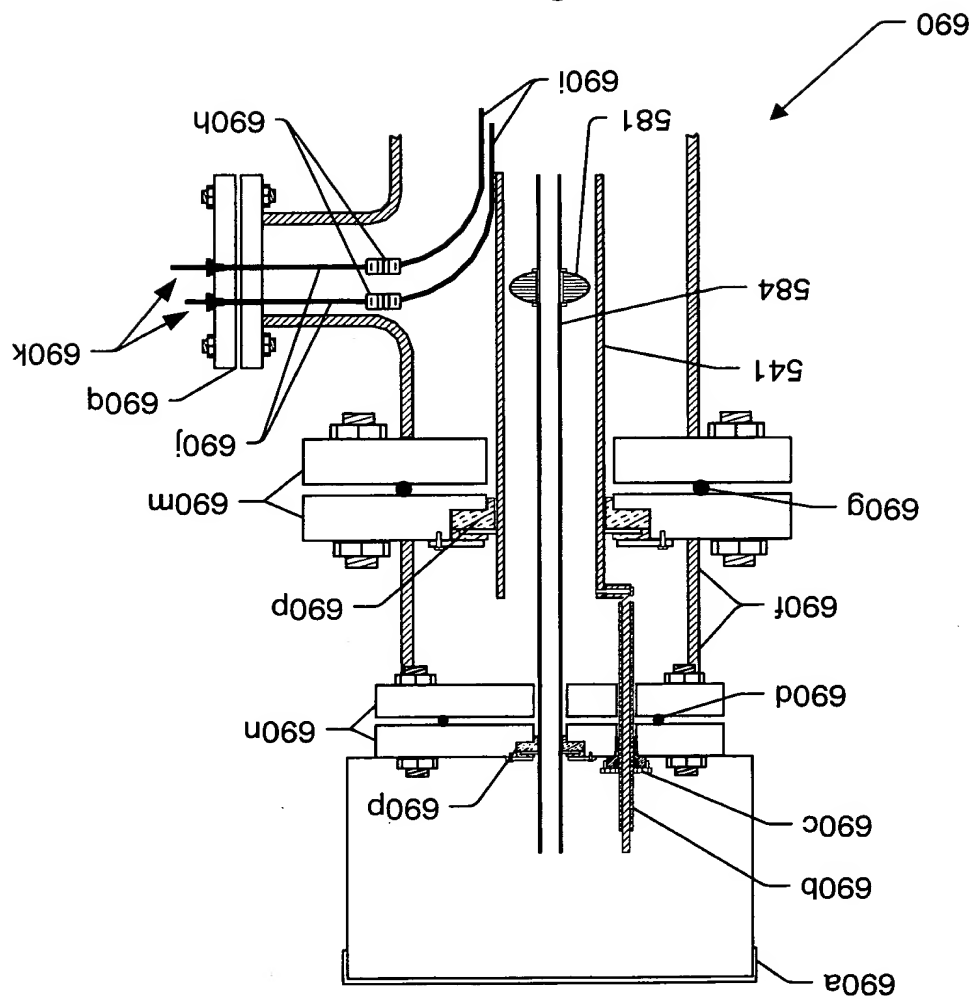


FIG. 20



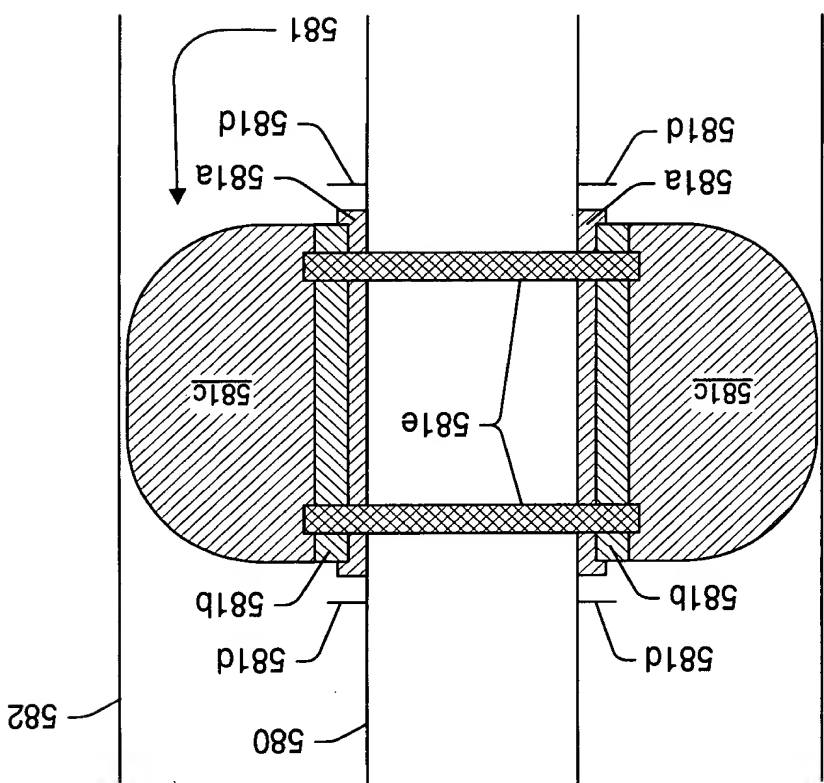


FIG. 22

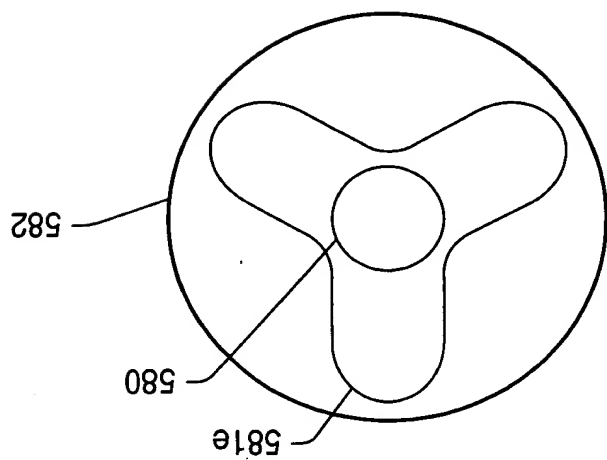
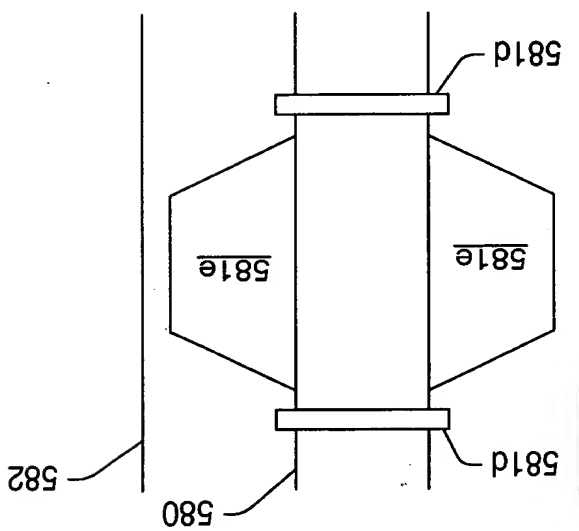


FIG. 23b



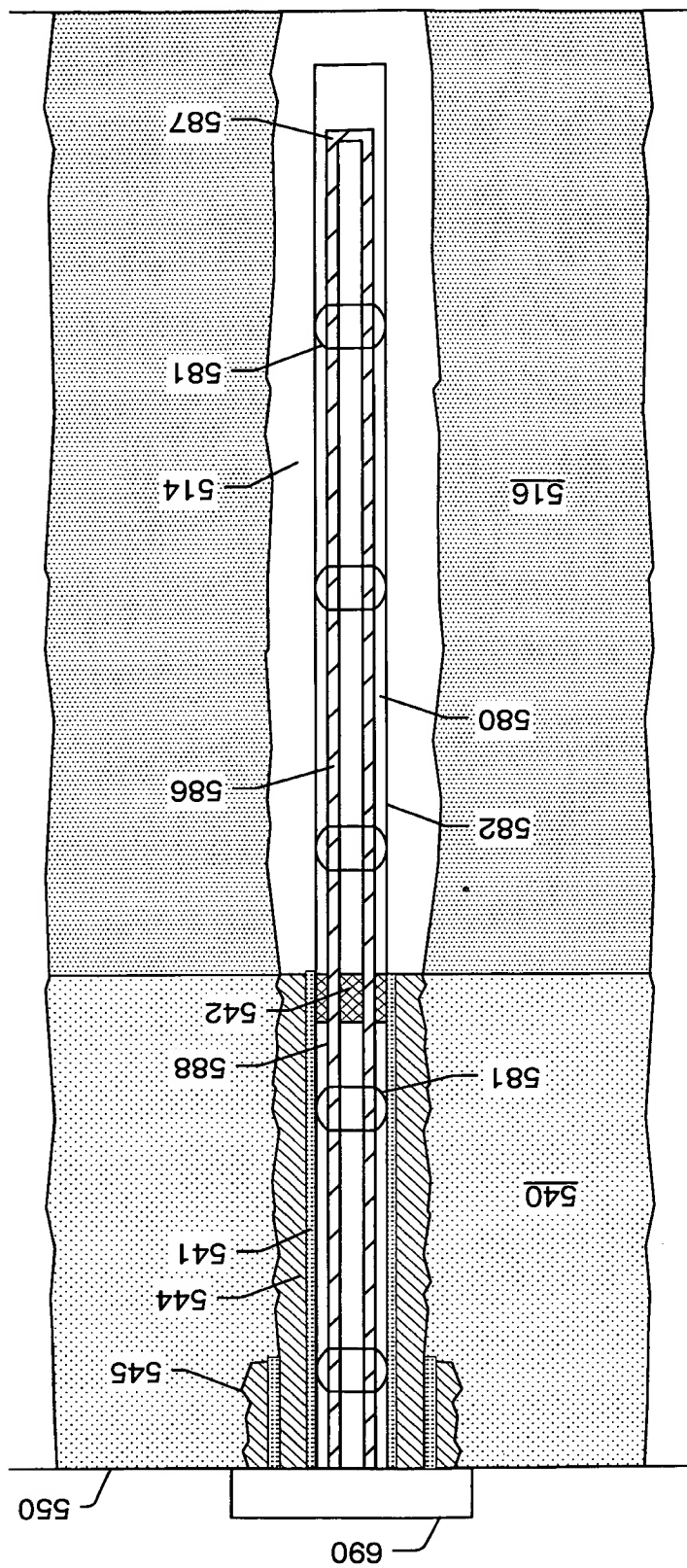
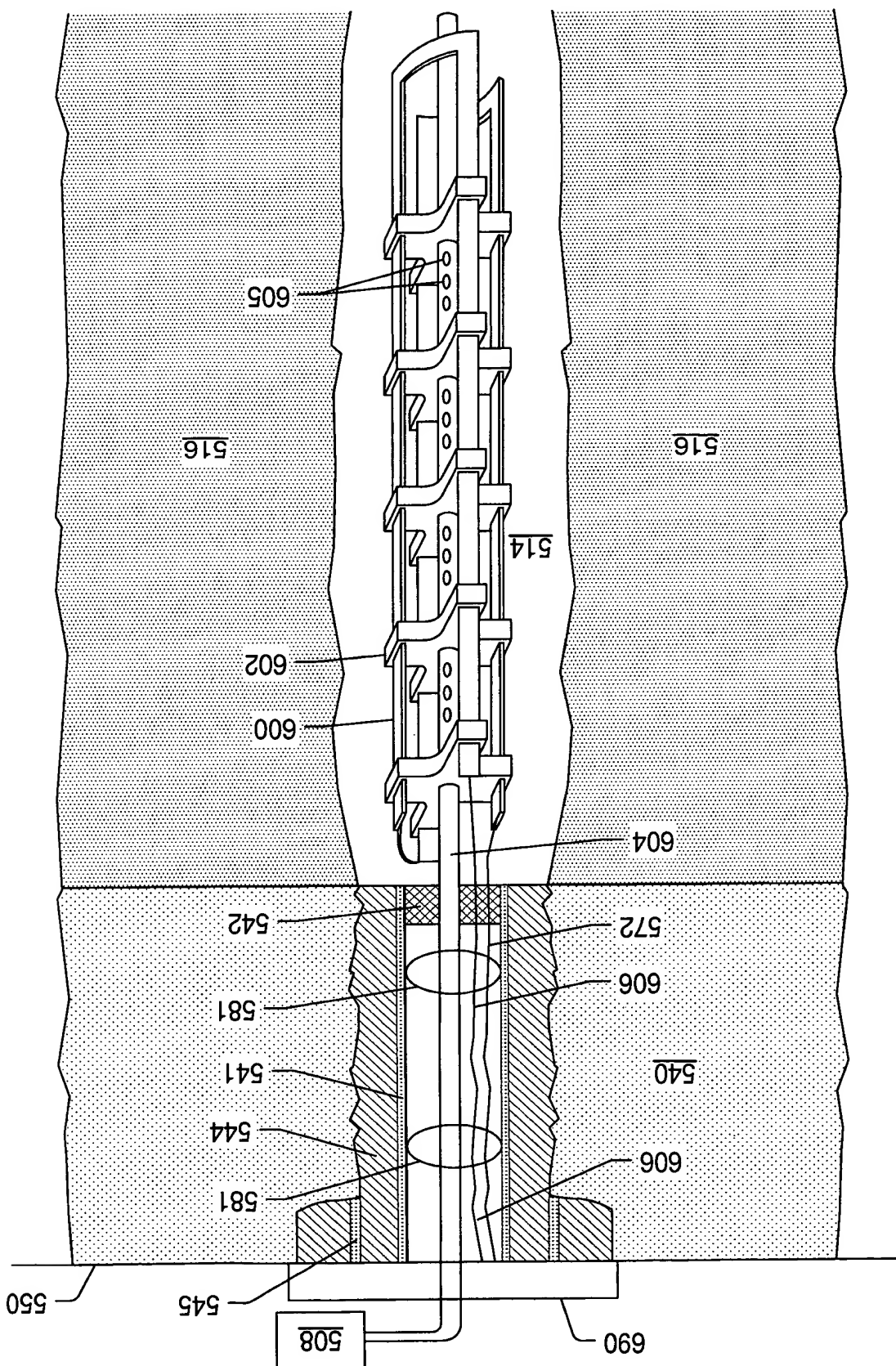


Fig. 24

**FIG. 25**



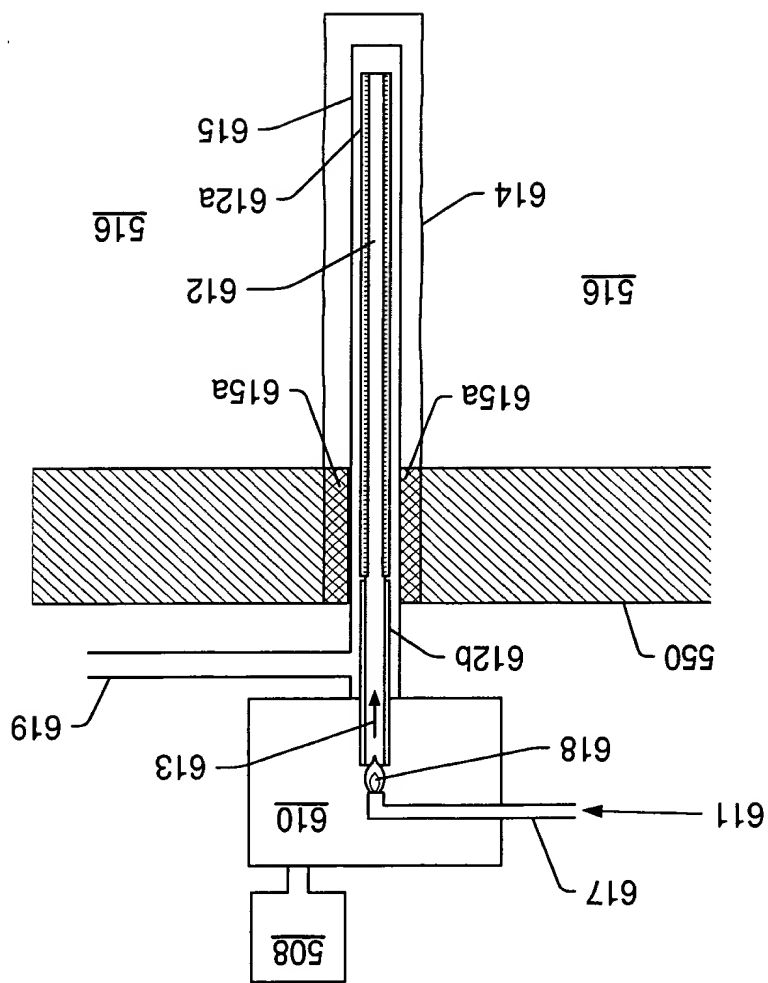
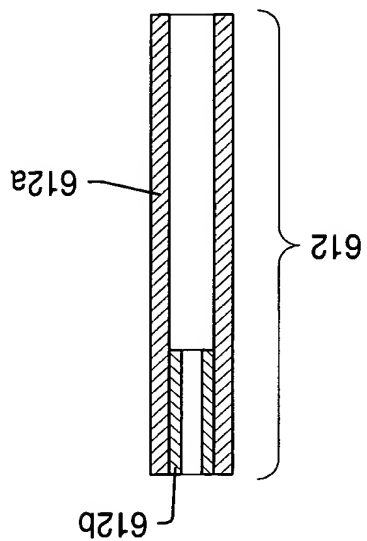


FIG. 27





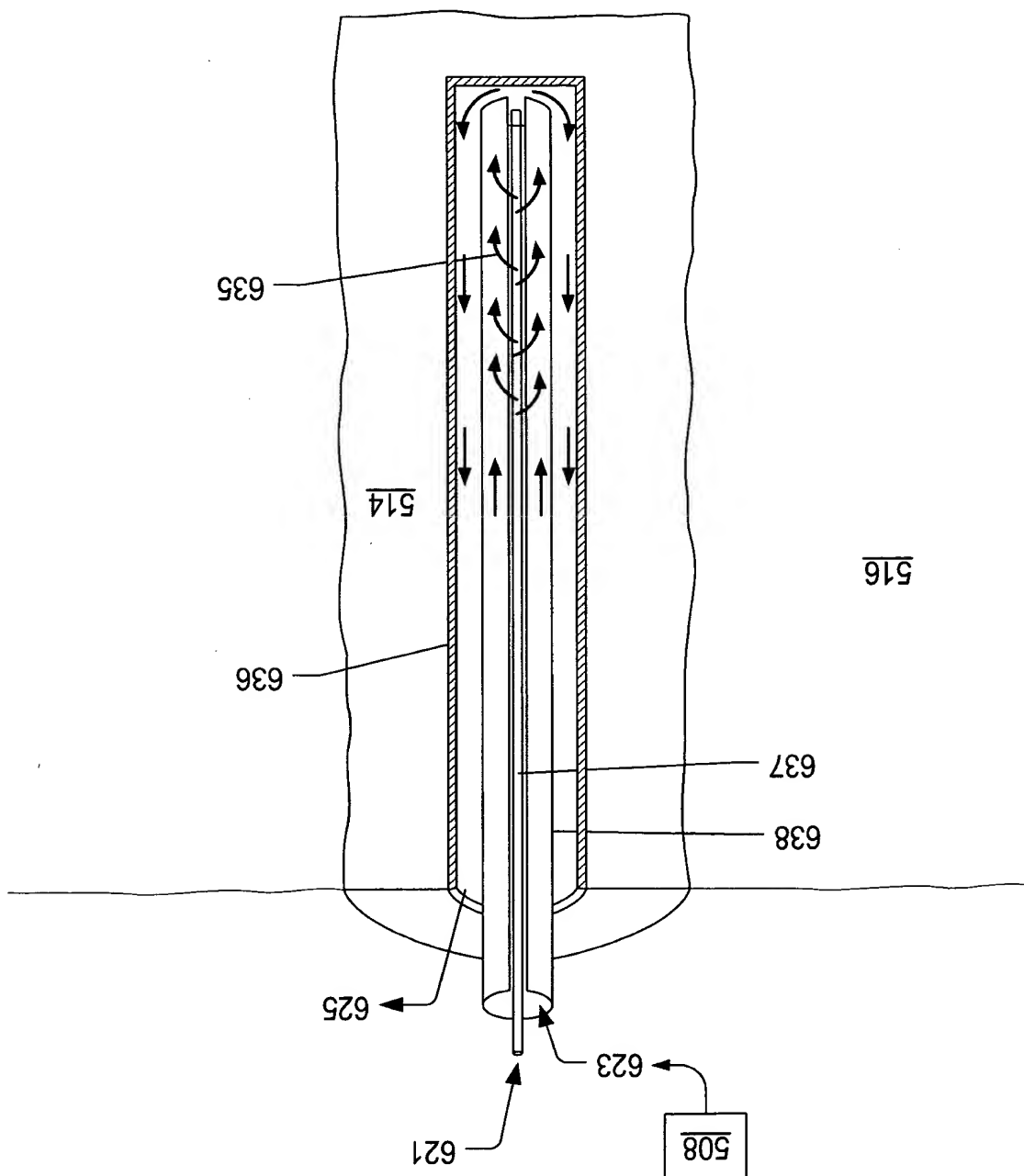


FIG. 28

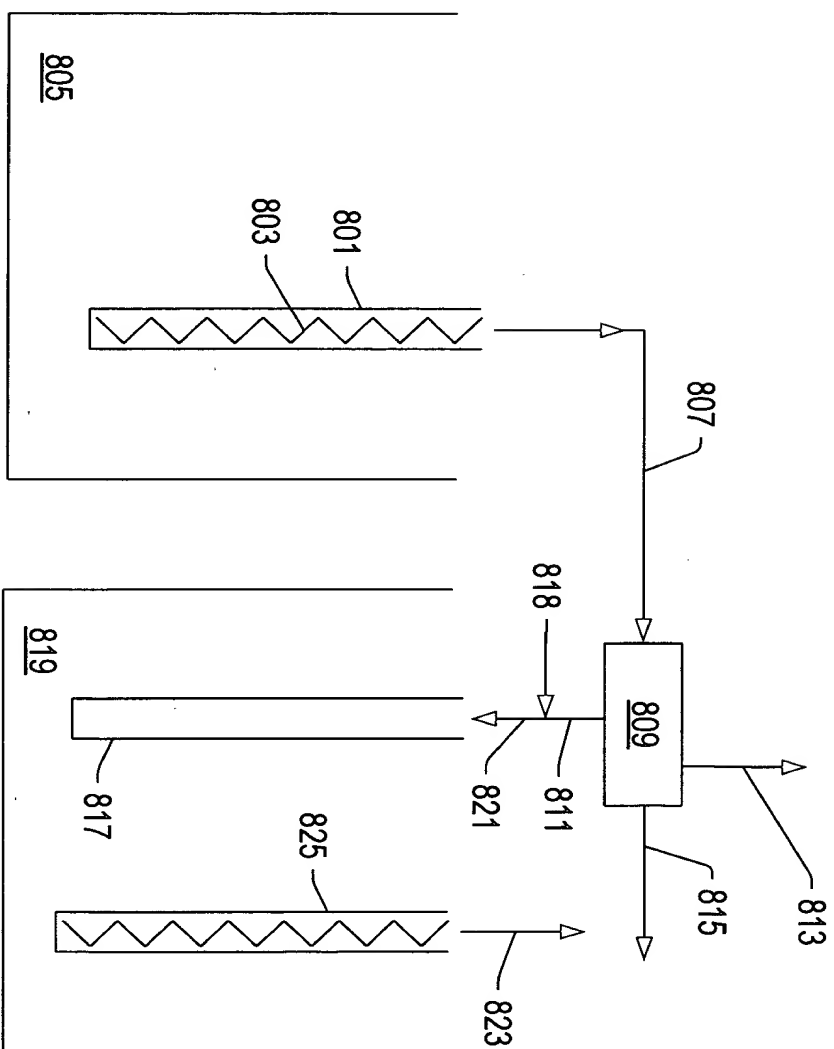


FIG. 29

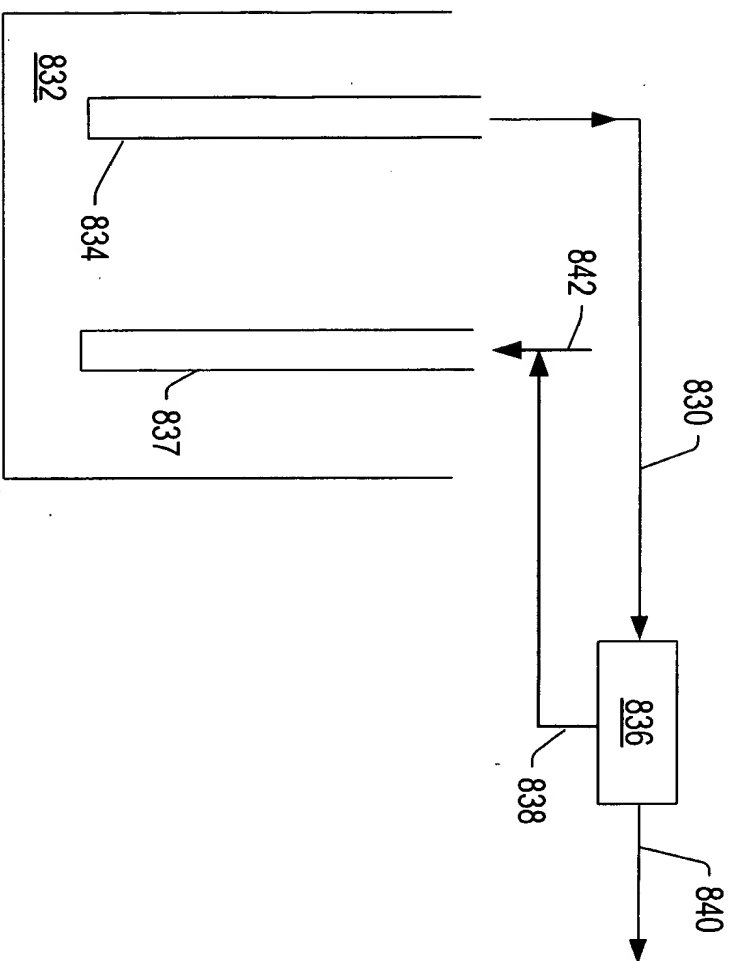


FIG. 30

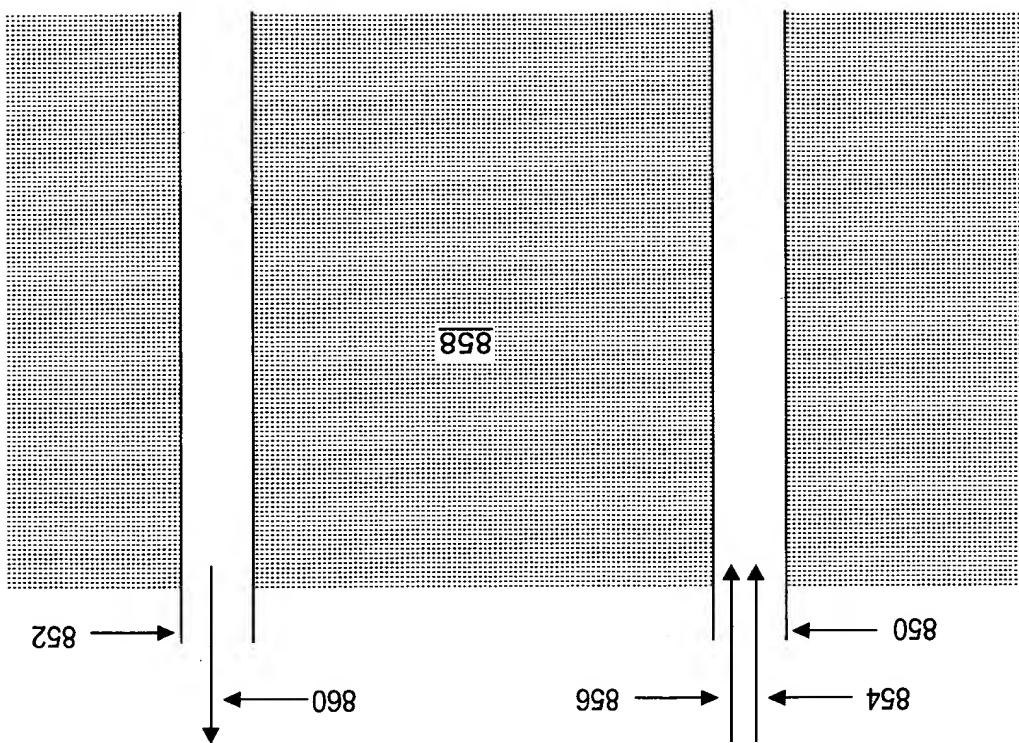


FIG. 31

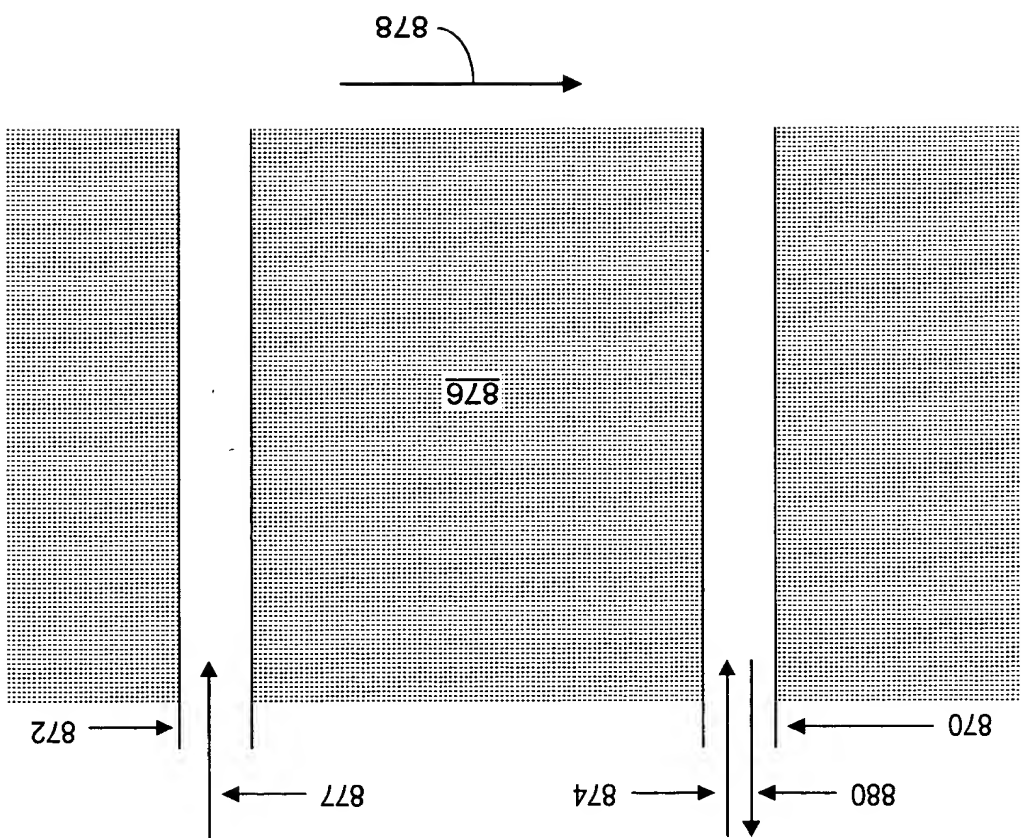


FIG. 32

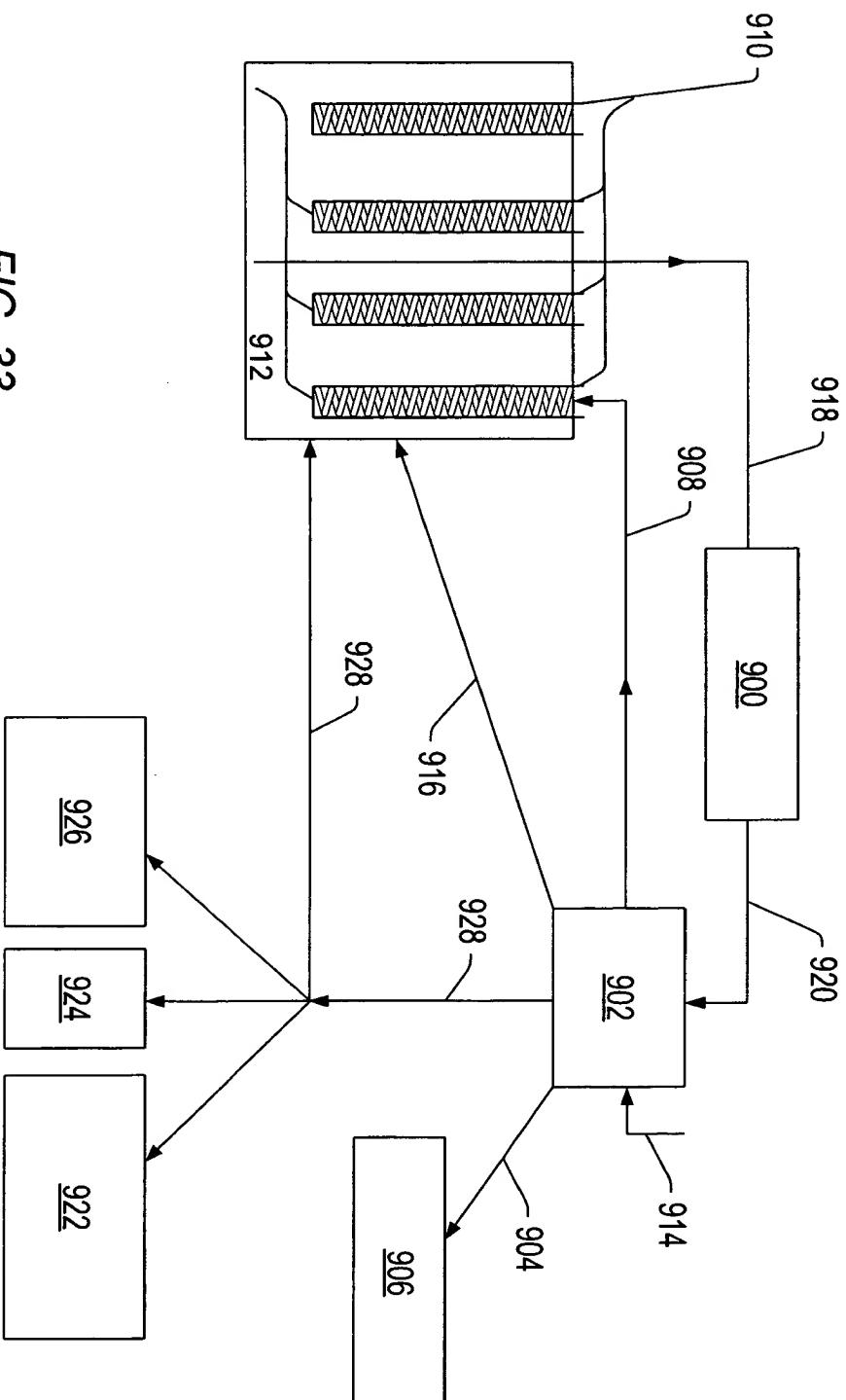


FIG. 33

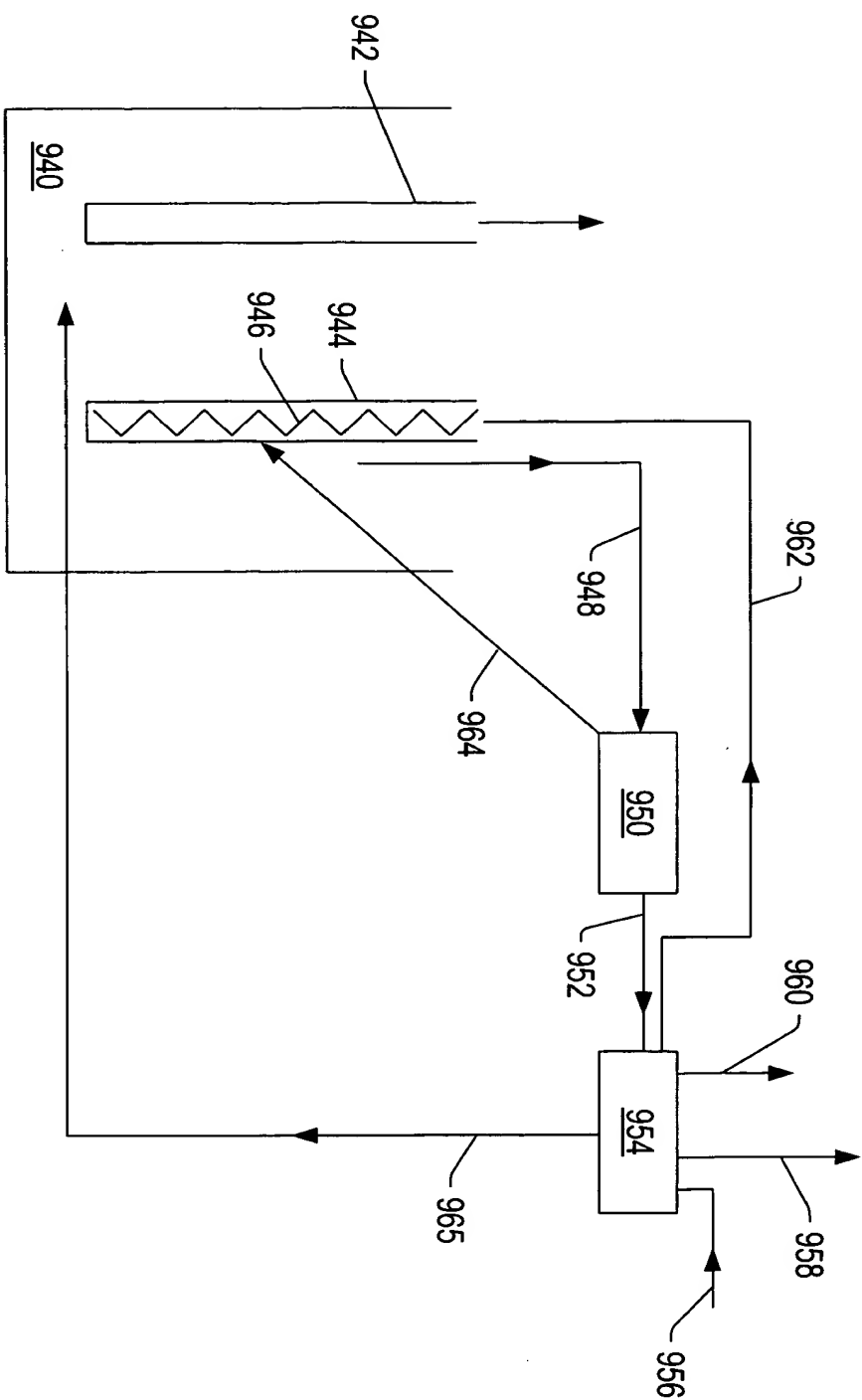


FIG. 34

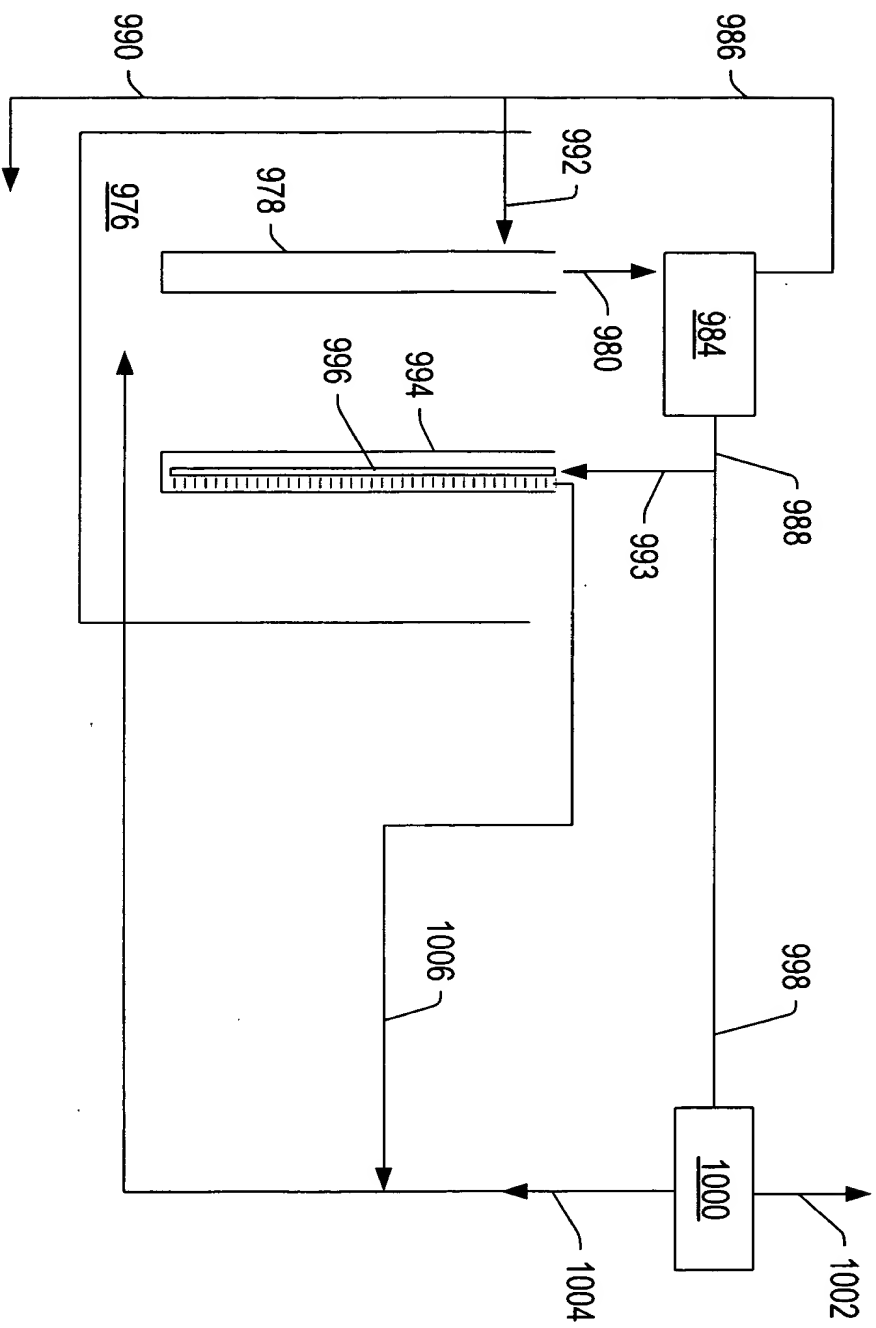


FIG. 35



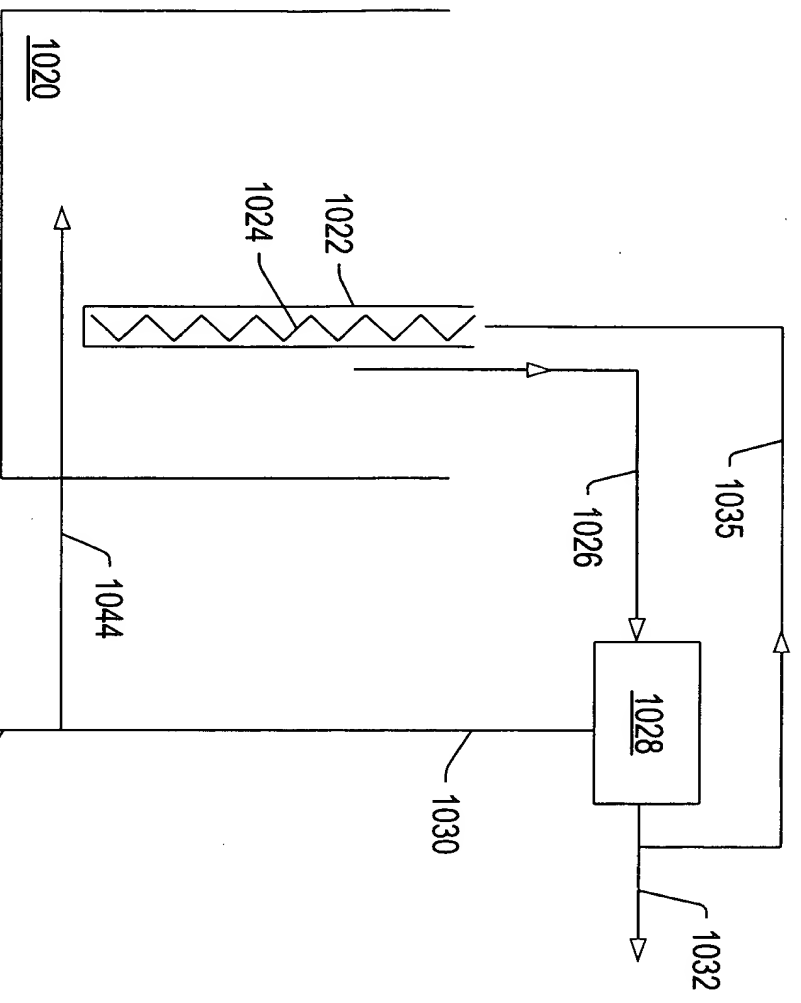


FIG. 36

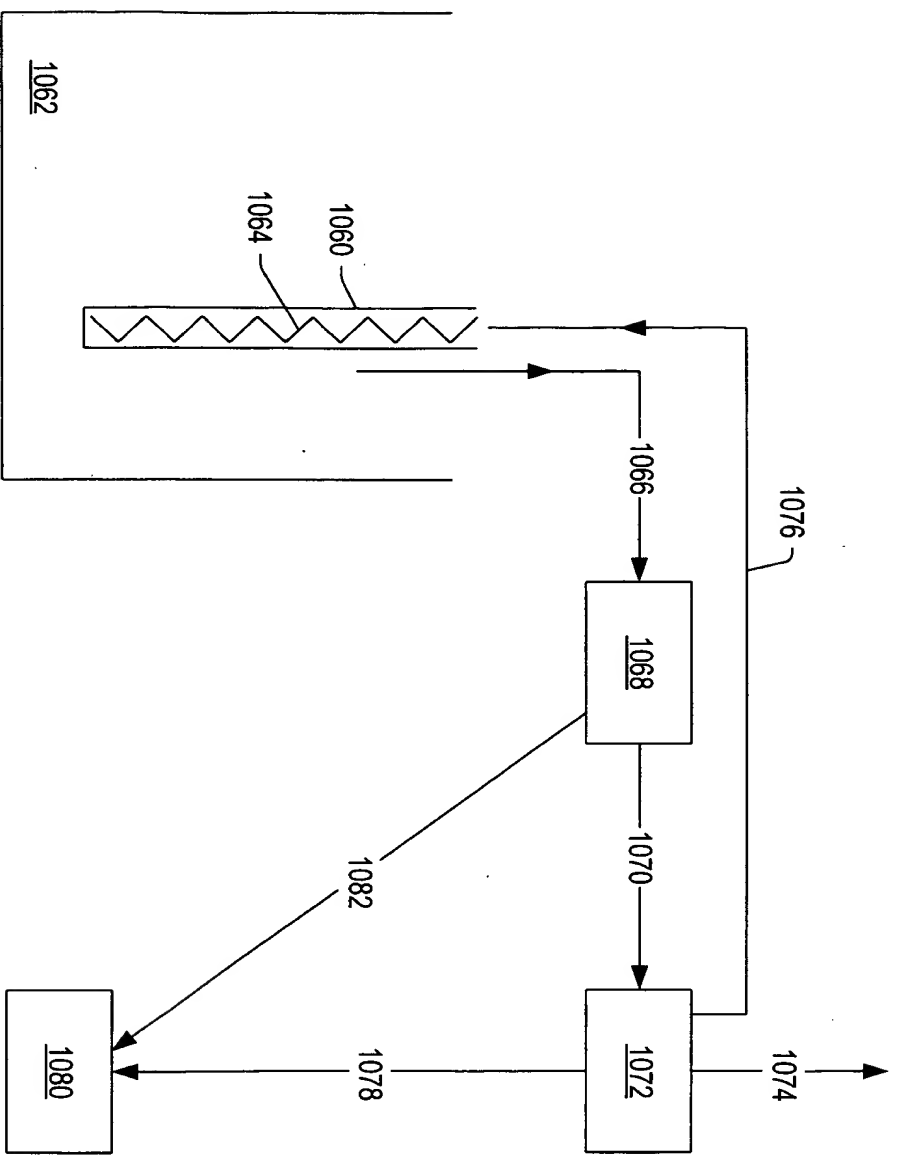


FIG. 37

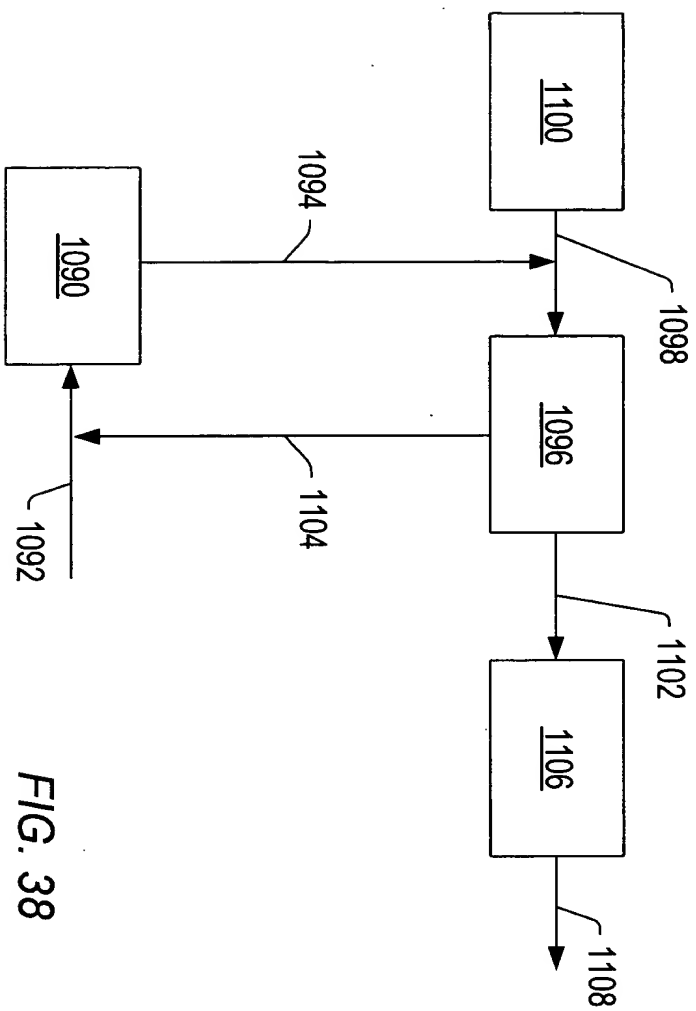


FIG. 38

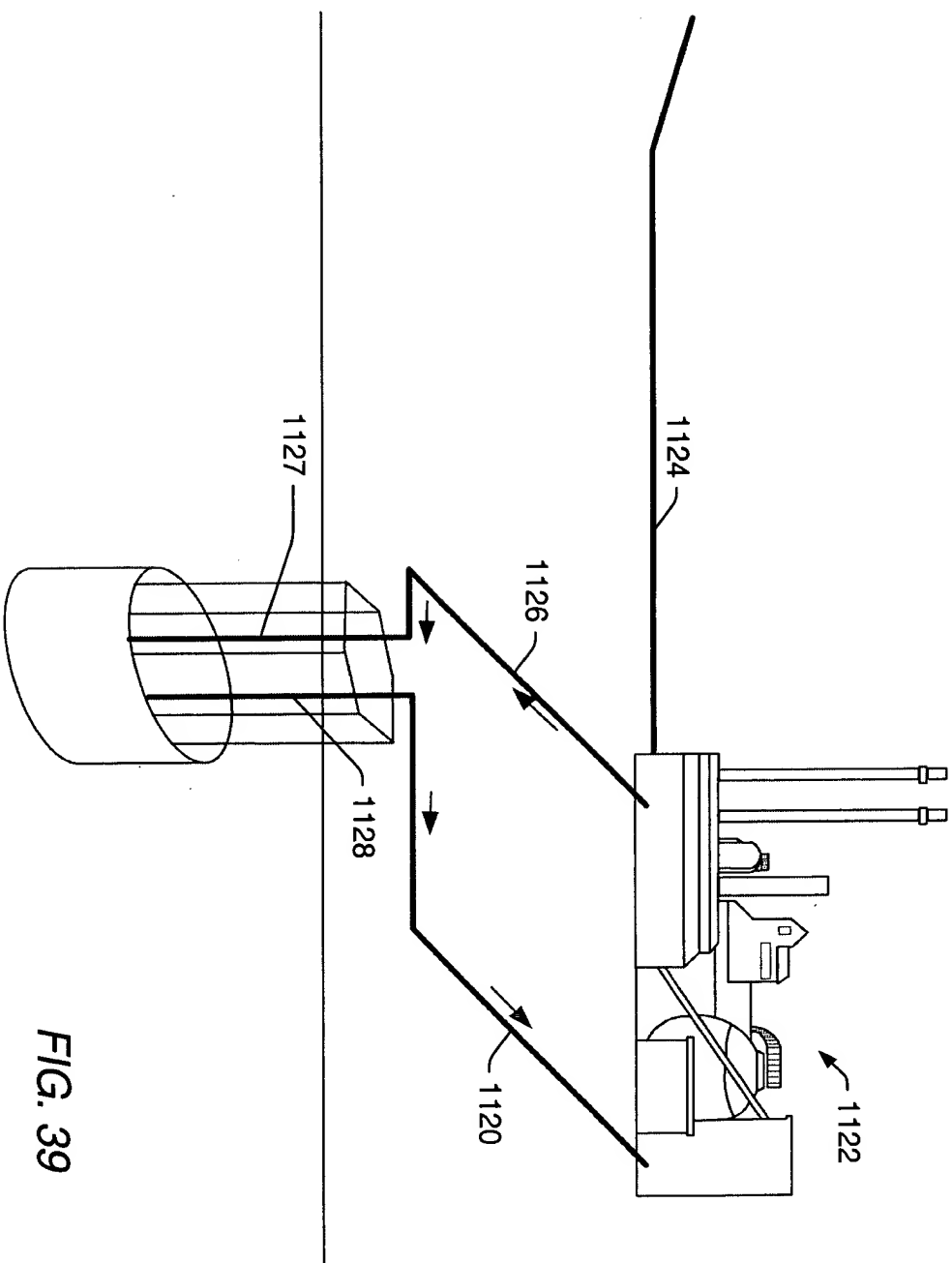


FIG. 39

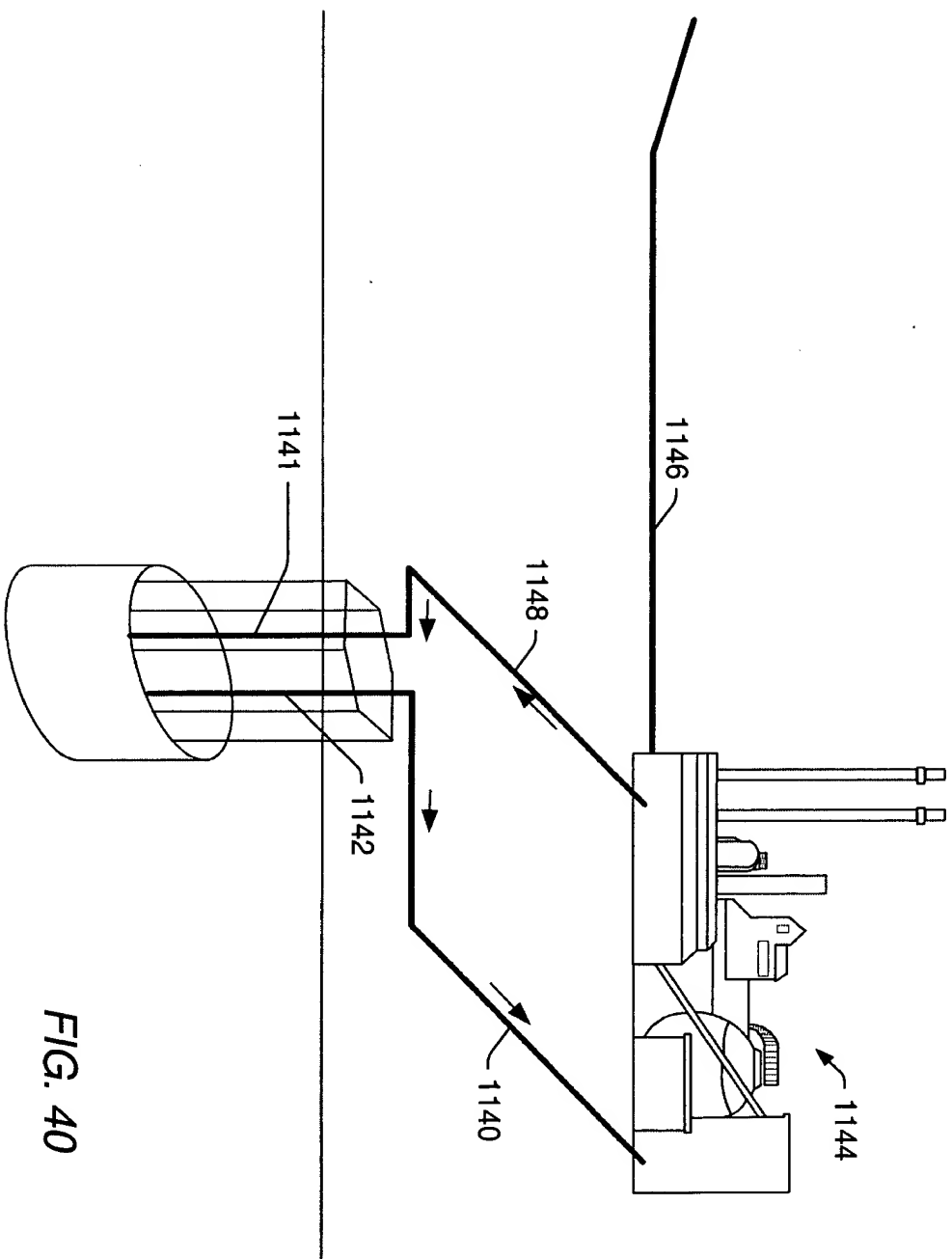


FIG. 40

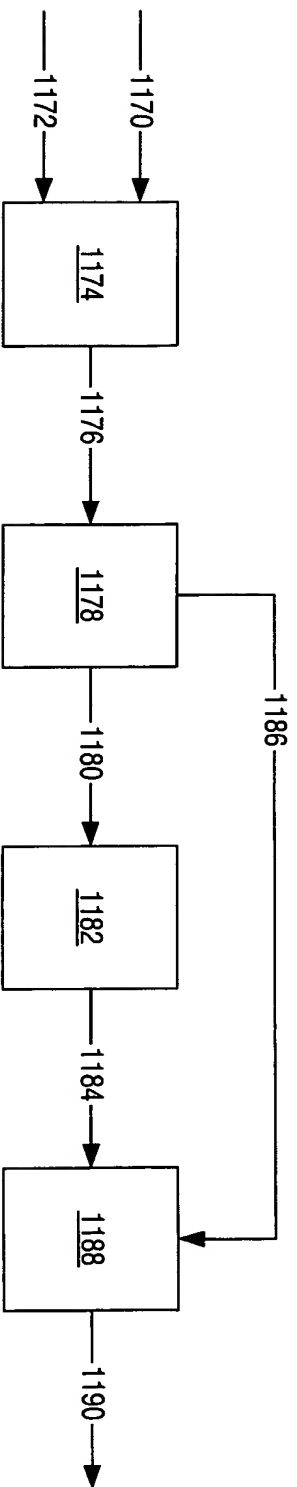


FIG. 41

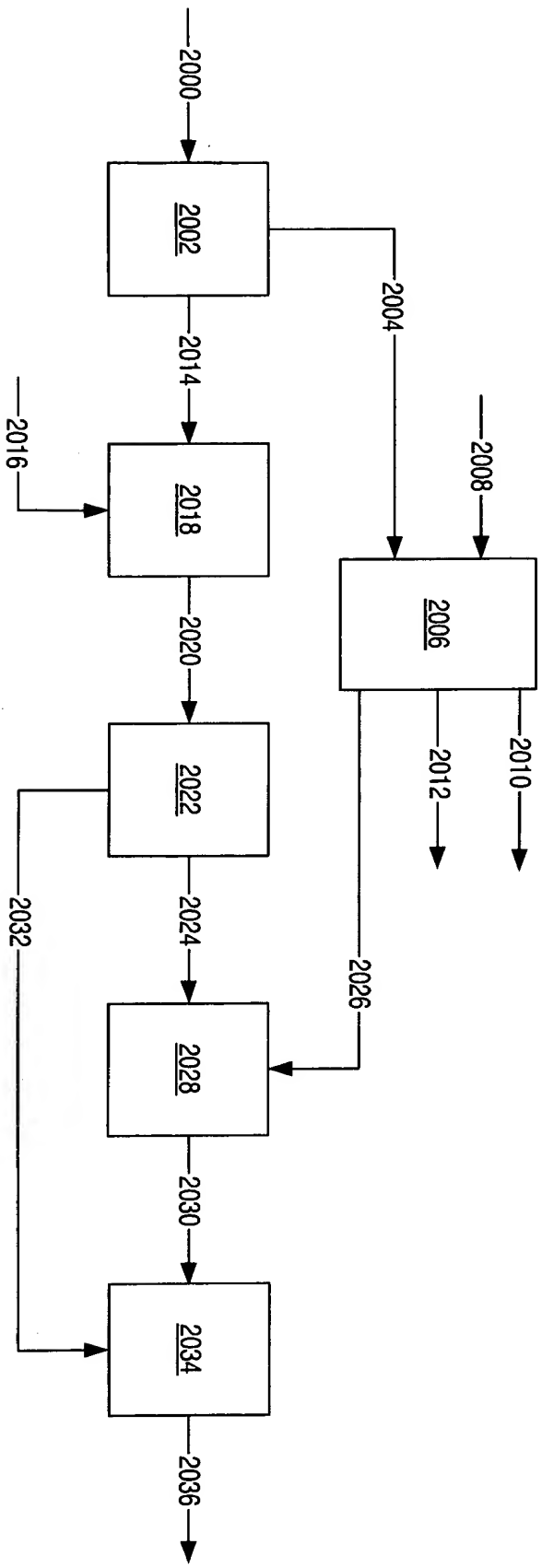


FIG. 42

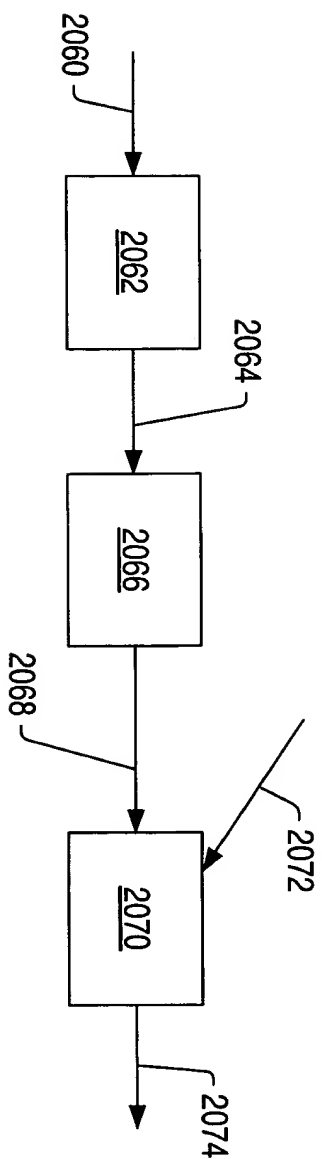


FIG. 43



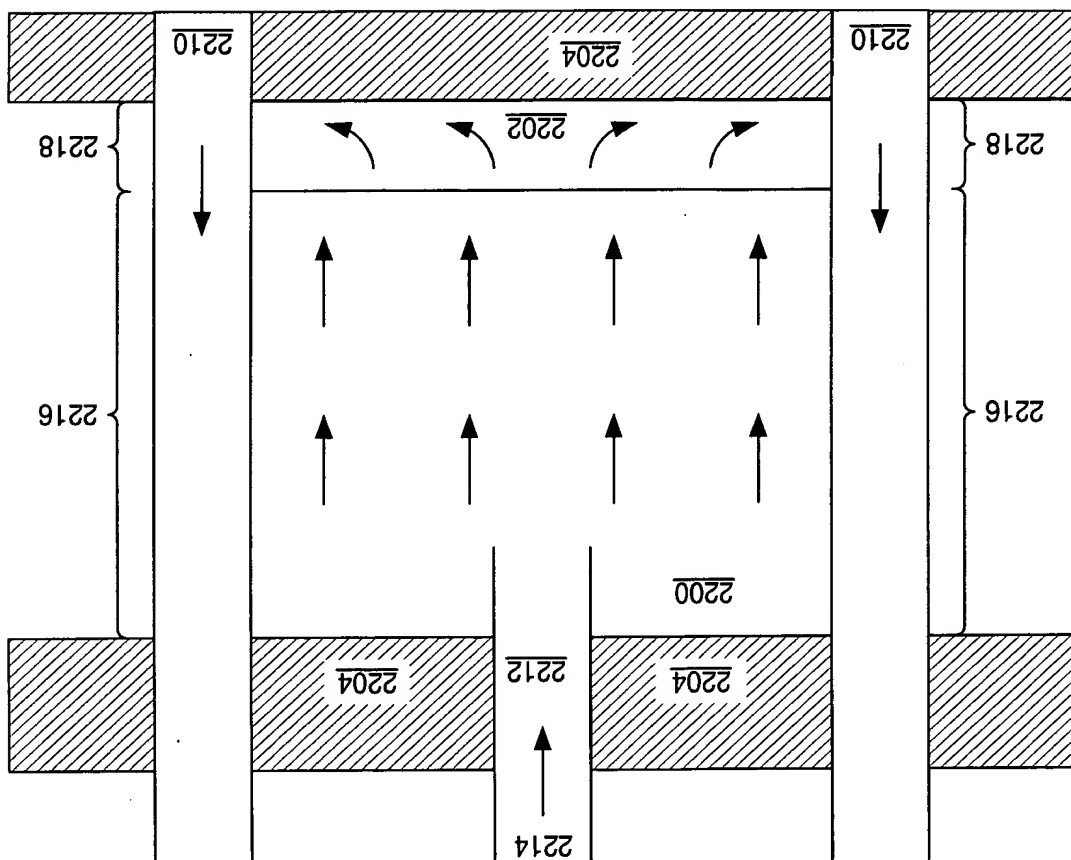


FIG. 44

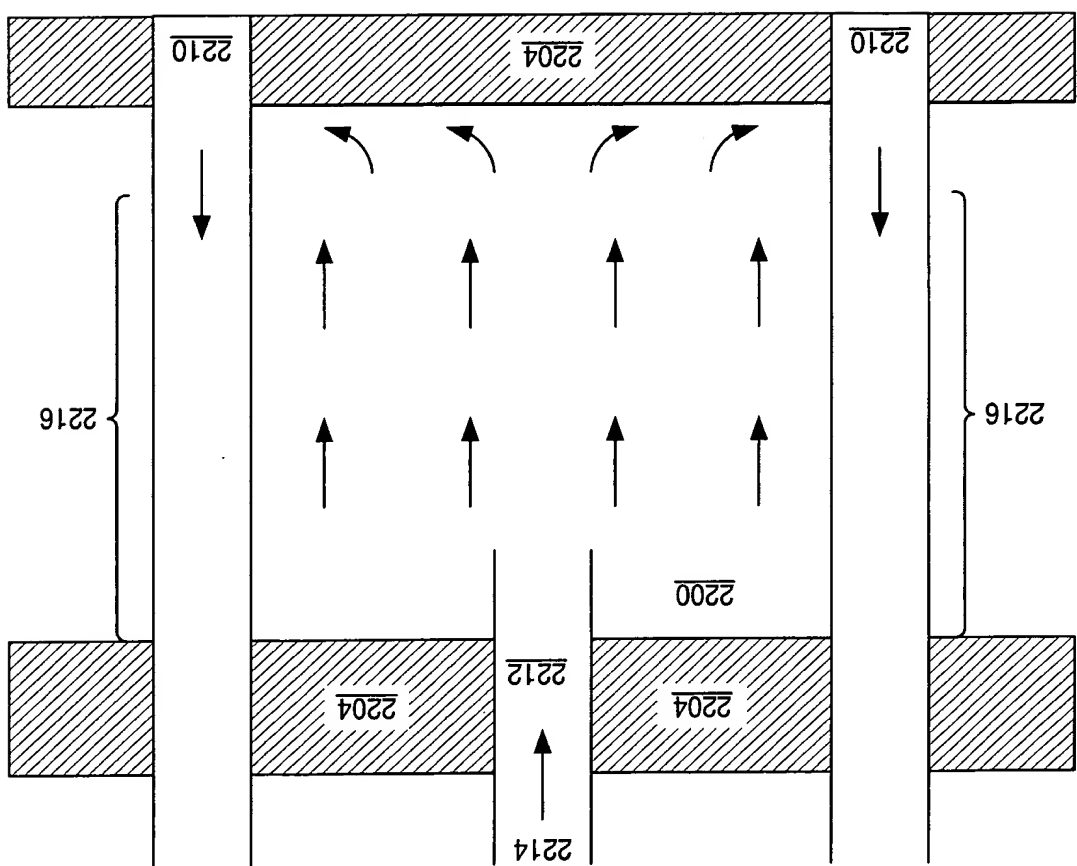


FIG. 45

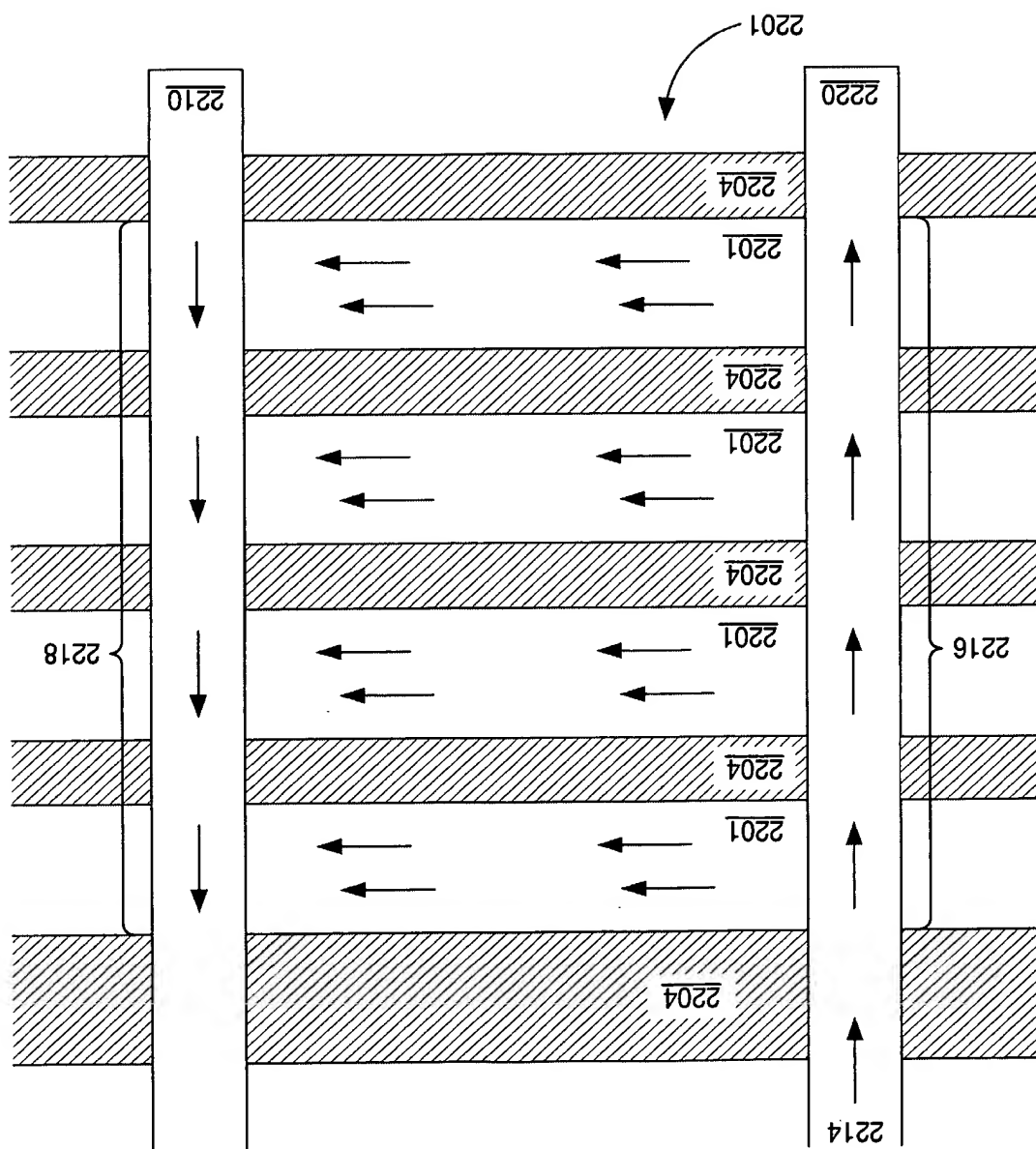


FIG. 46

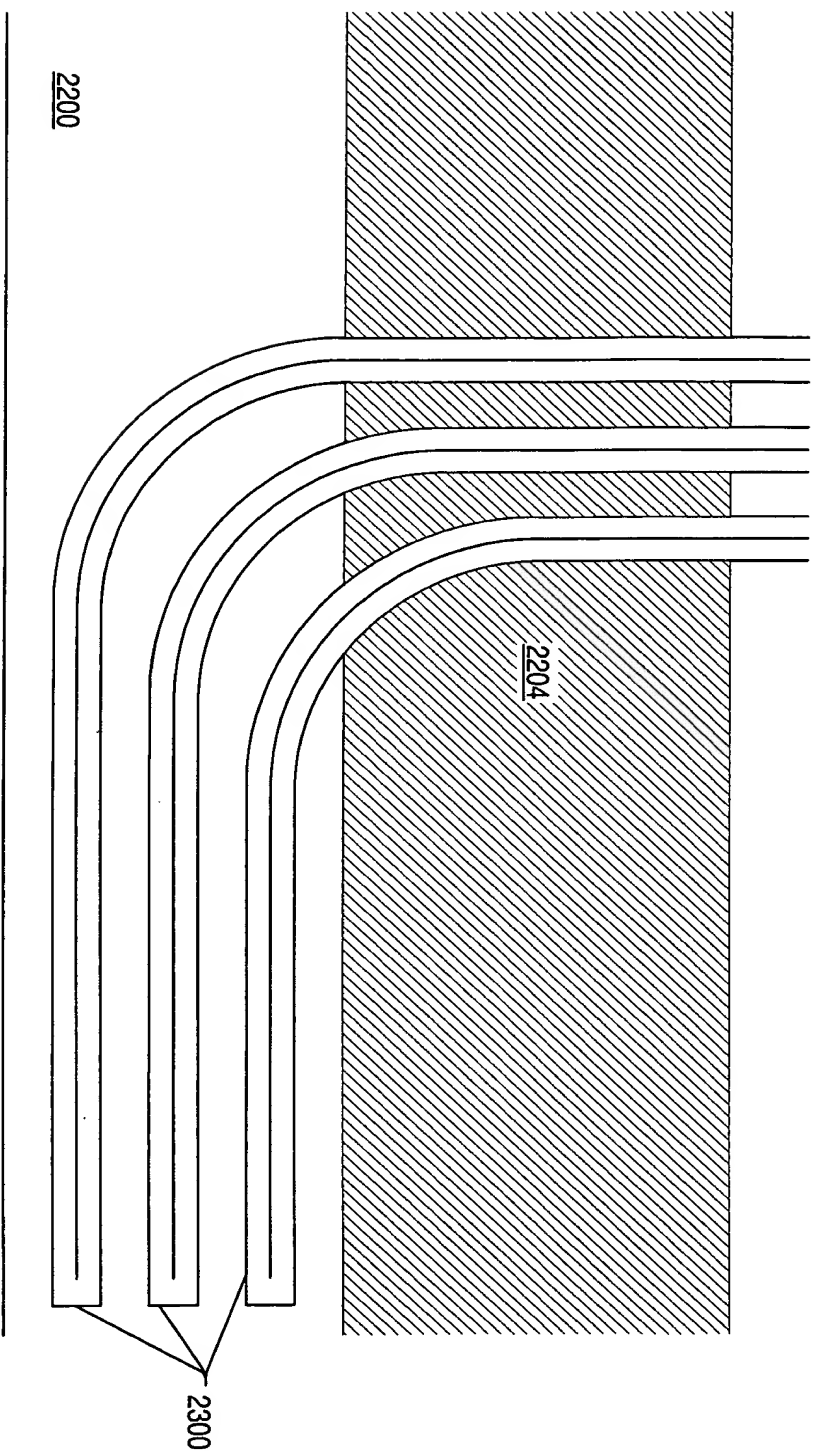


FIG. 47

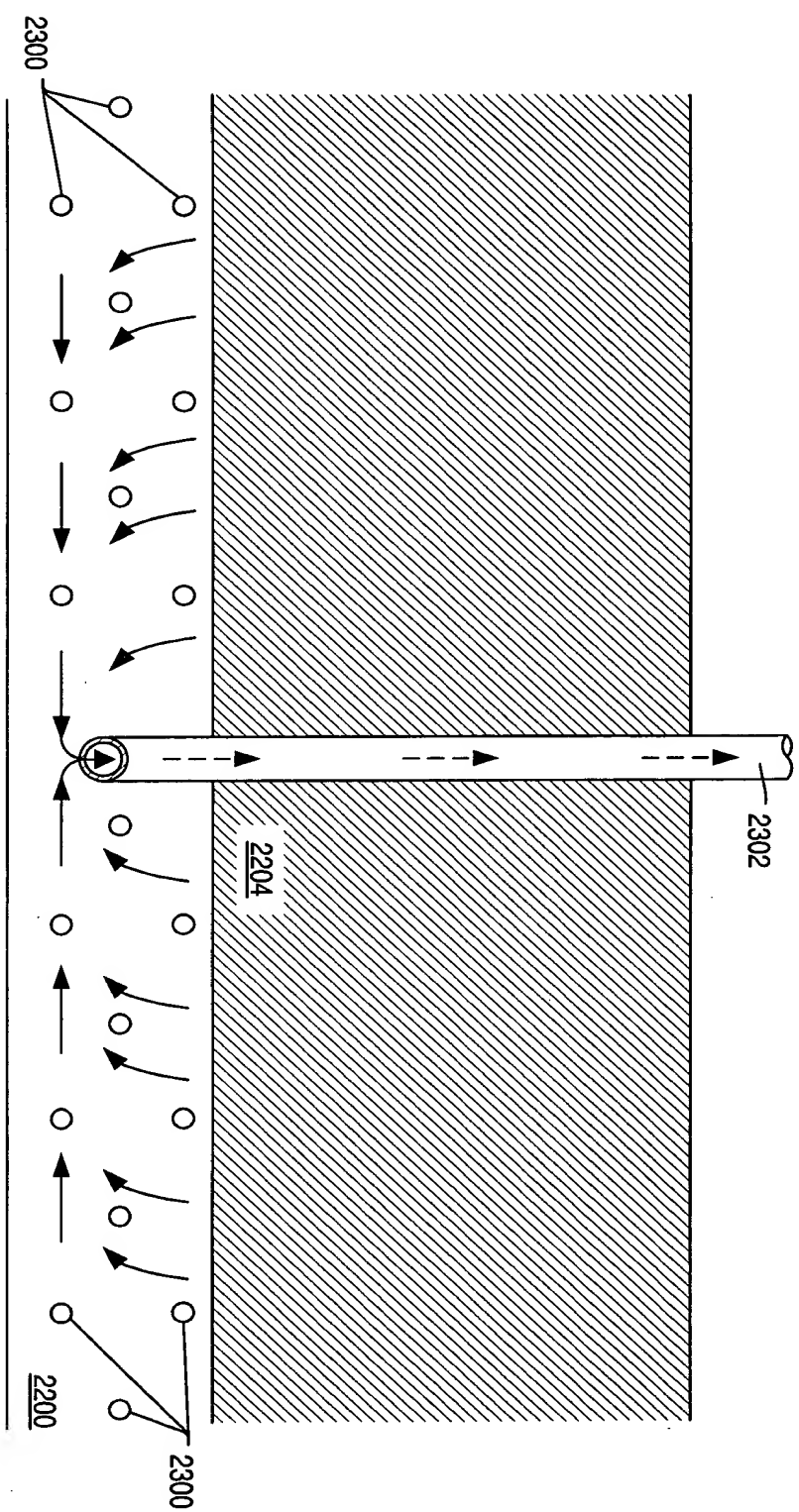


FIG. 48

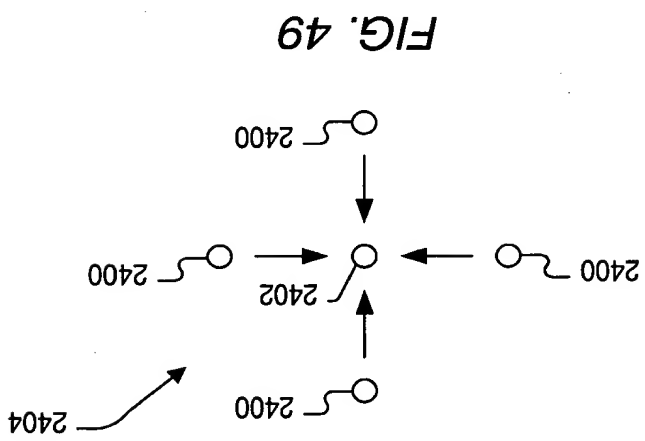
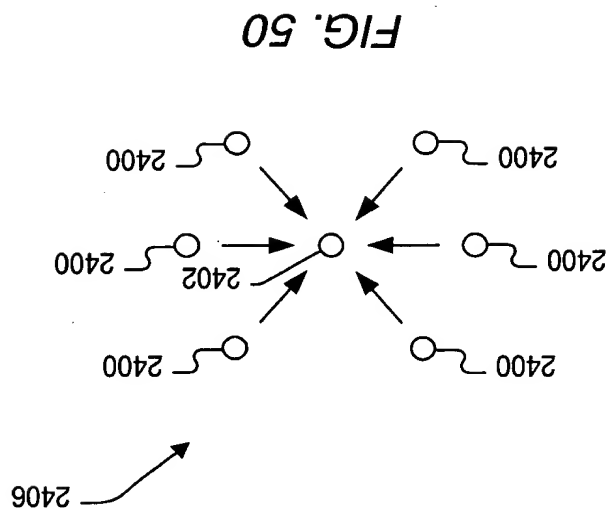


FIG. 52

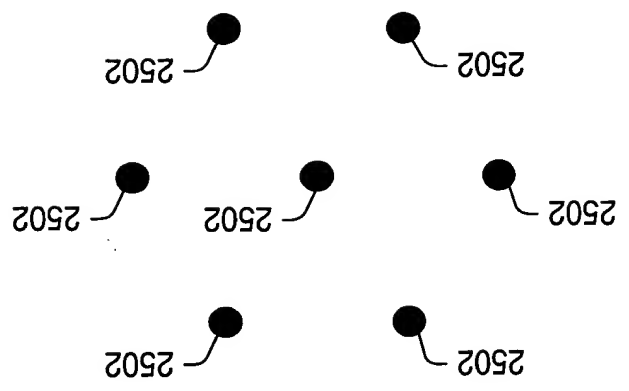


FIG. 51

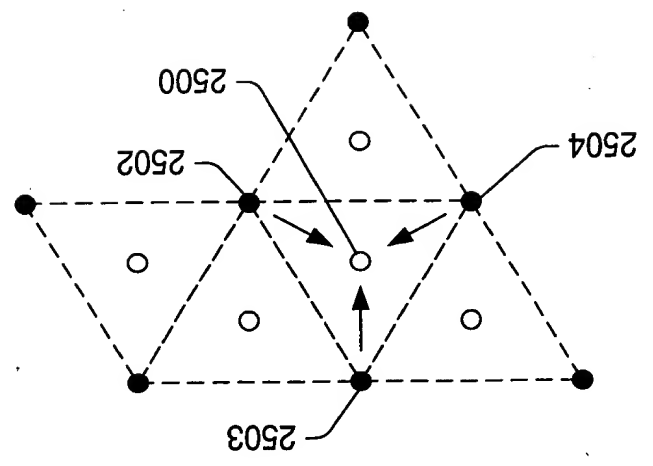
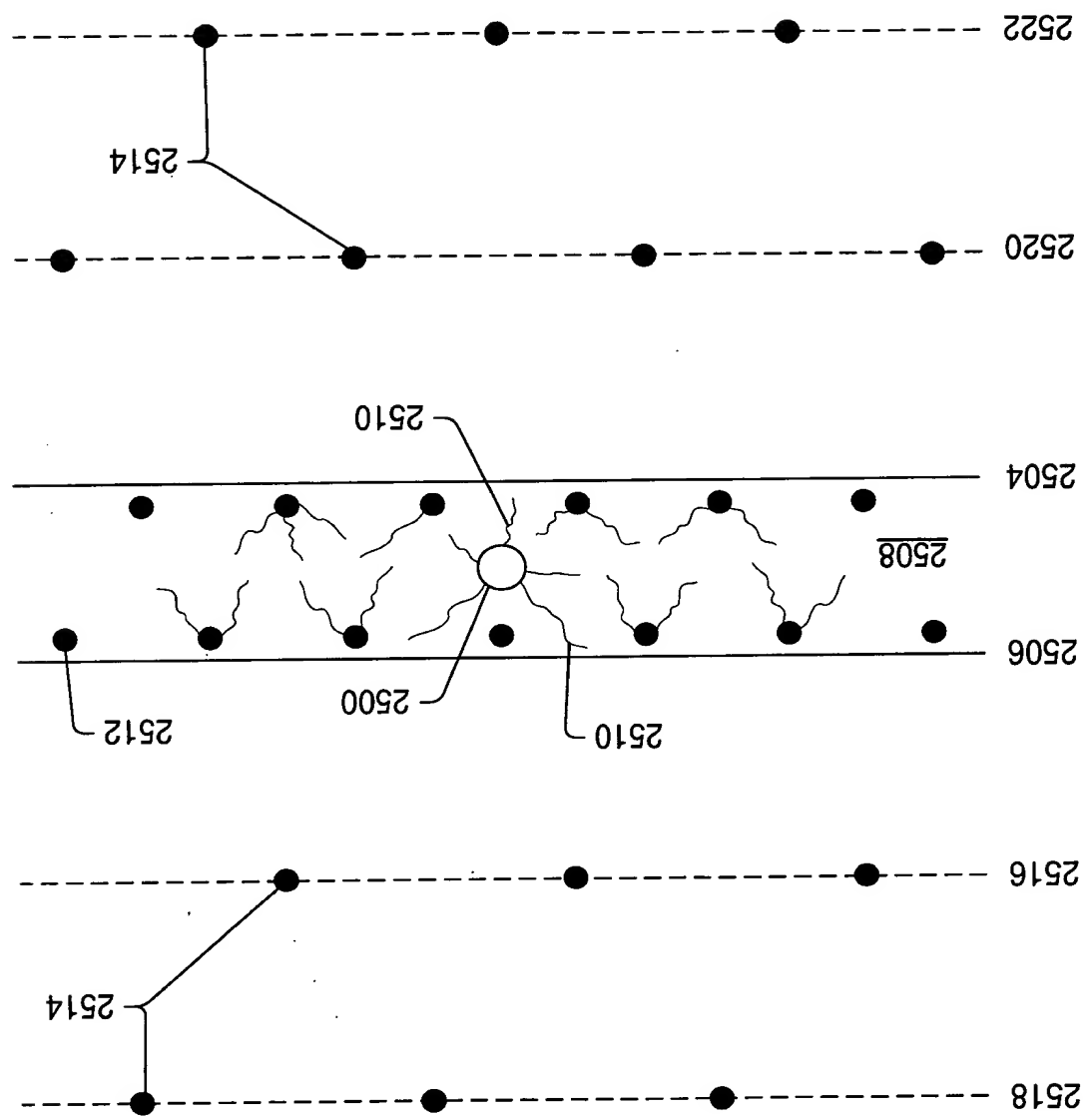
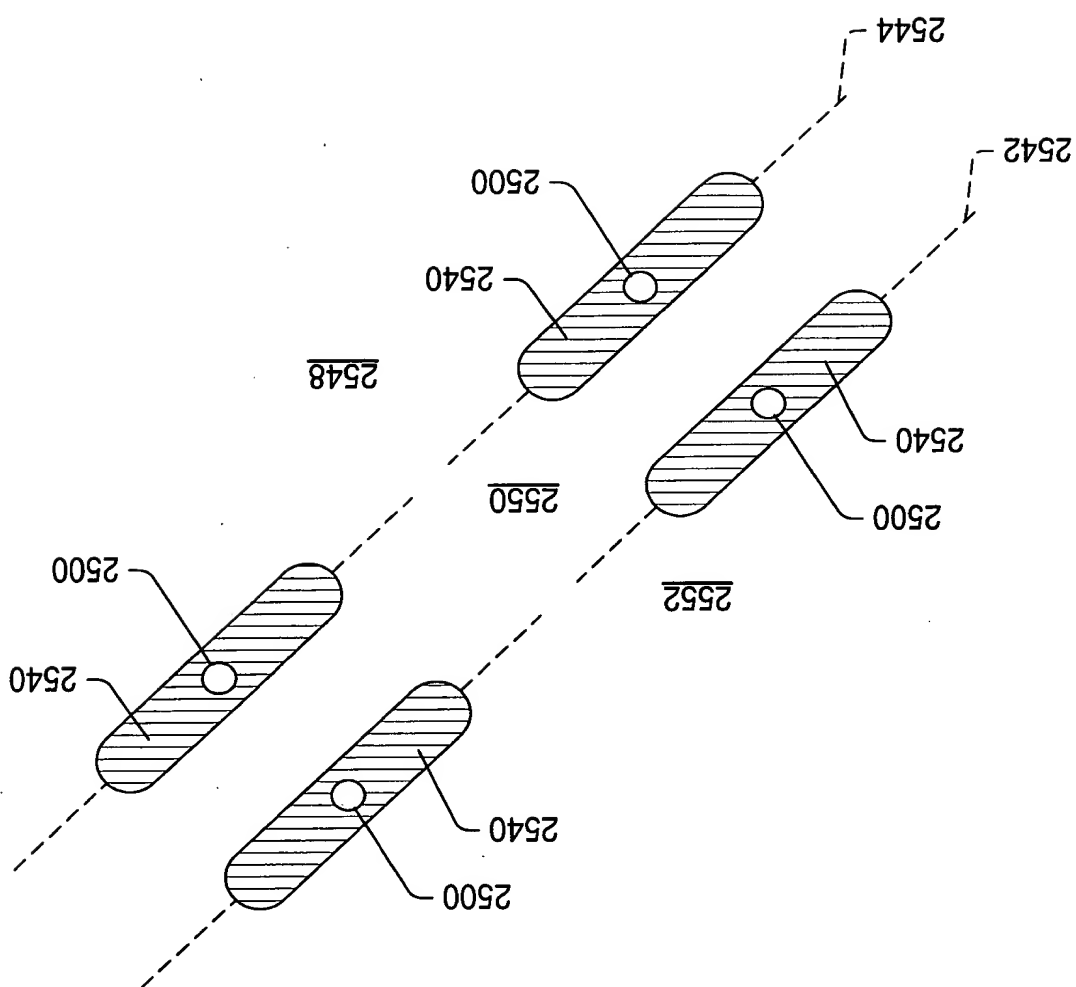
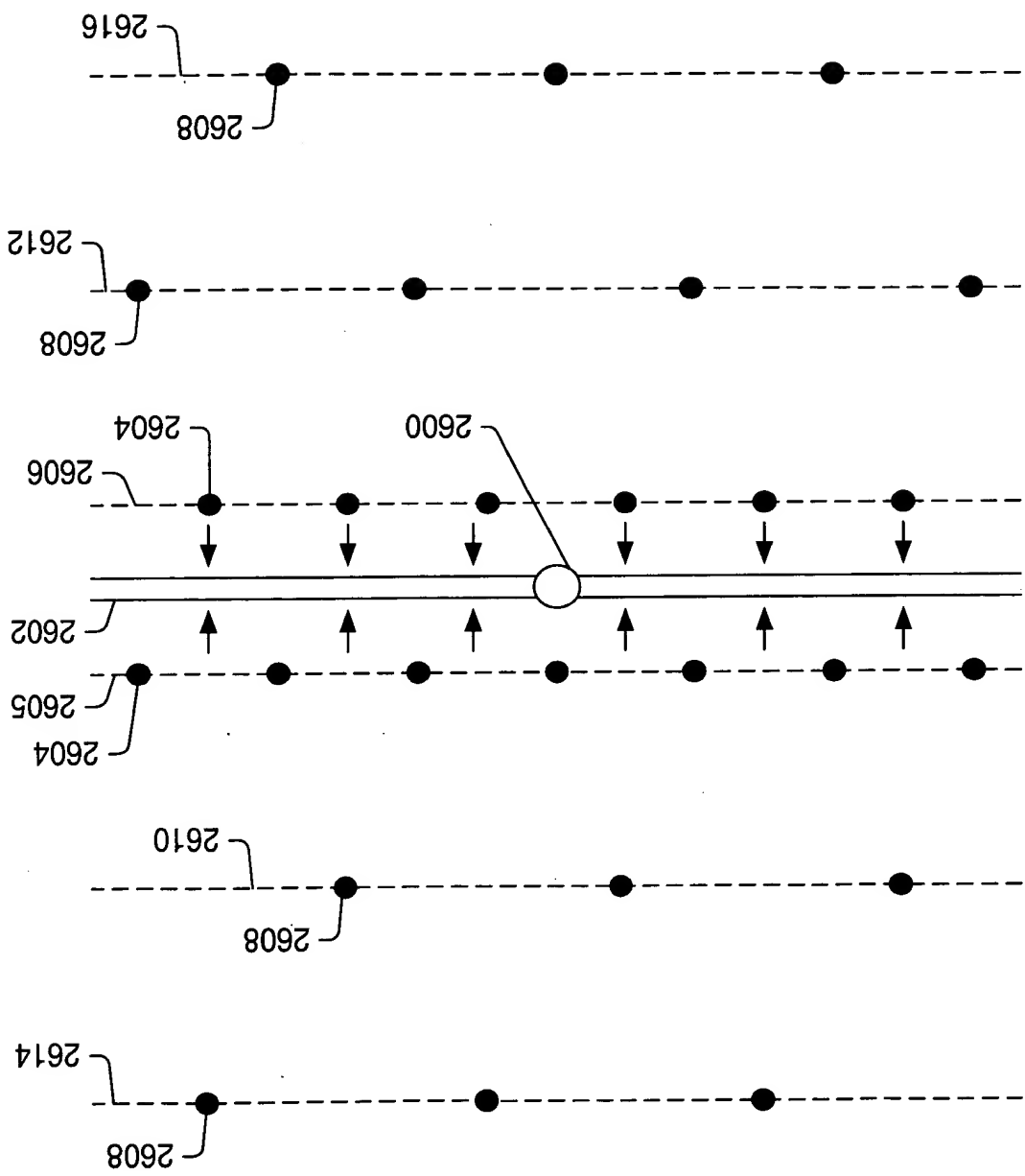


FIG. 53









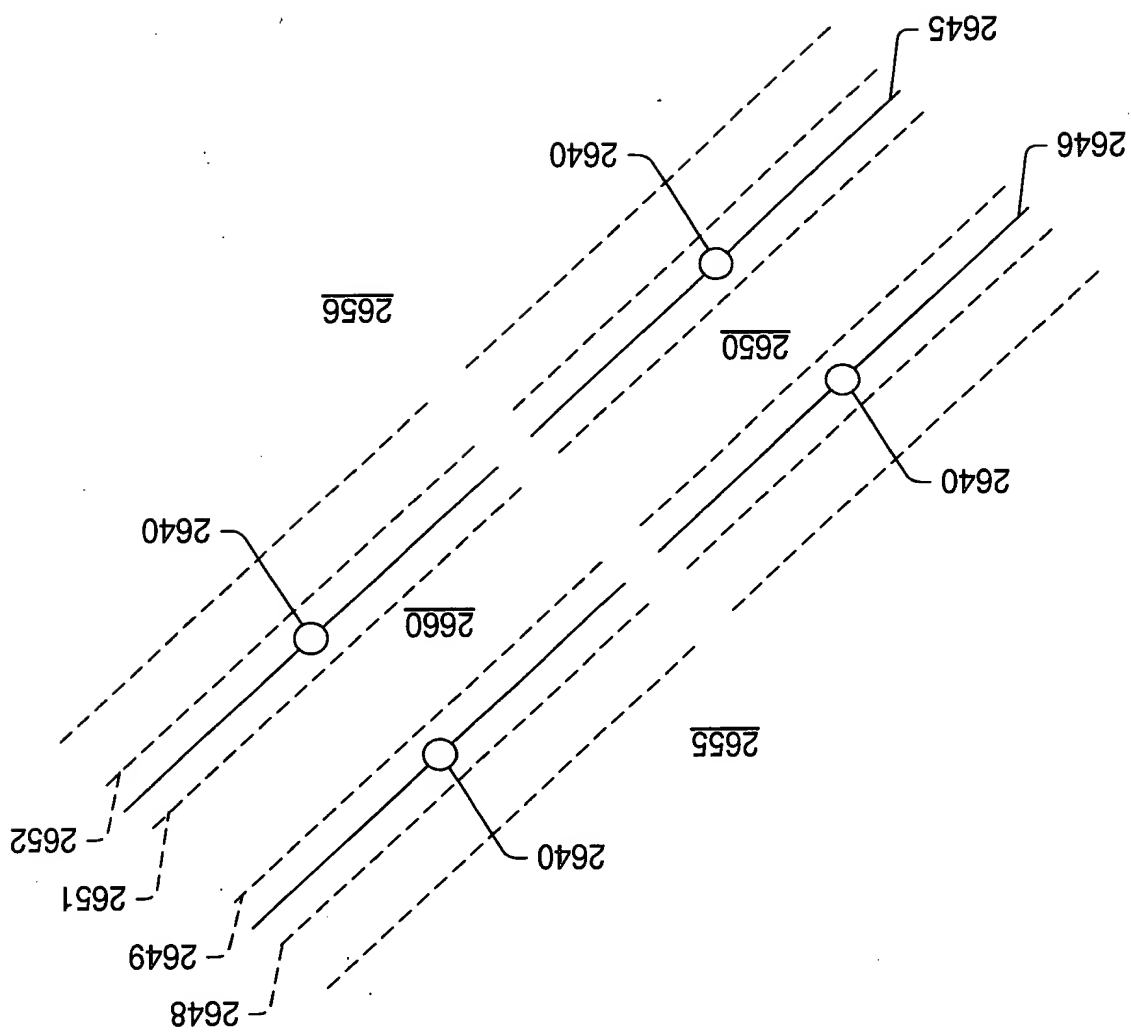


FIG. 56

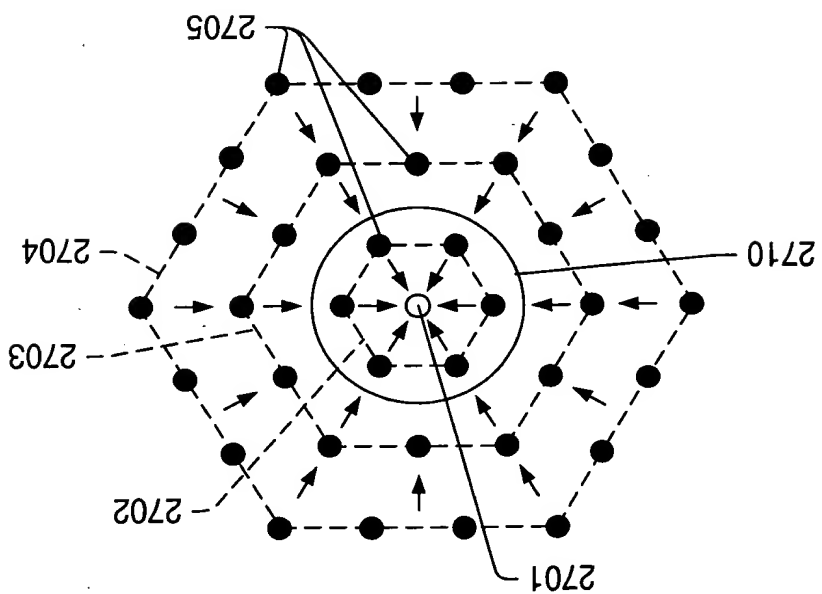


FIG. 59

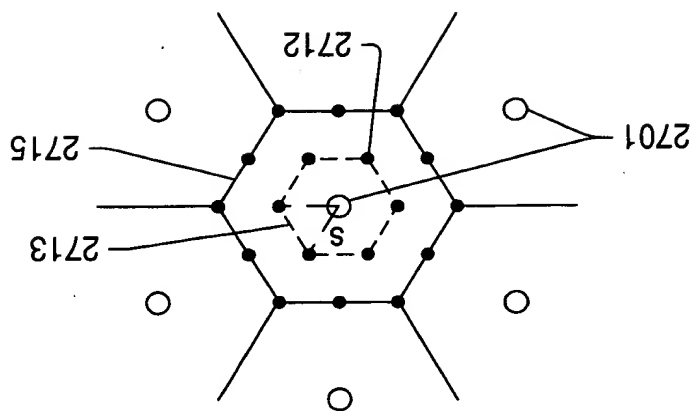


FIG. 58

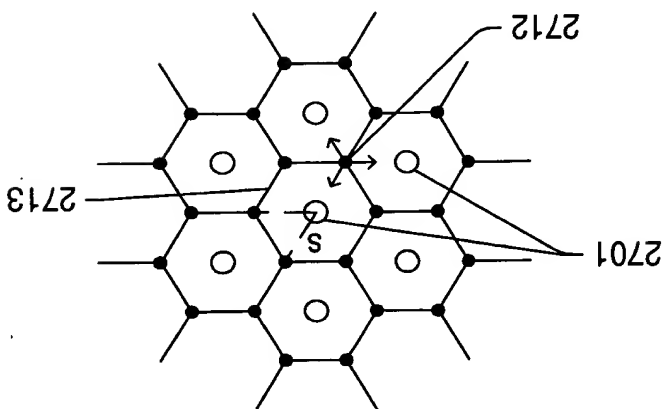


FIG. 61

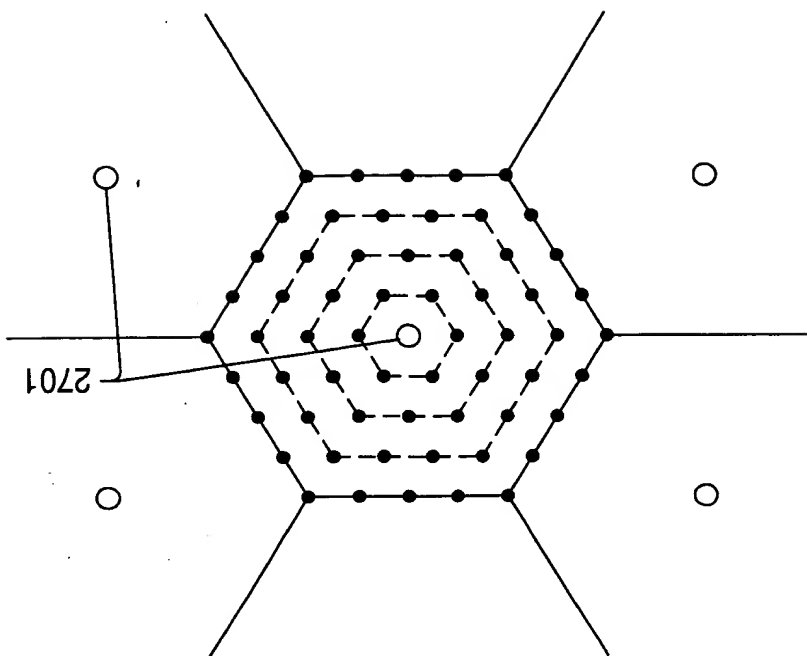


FIG. 60

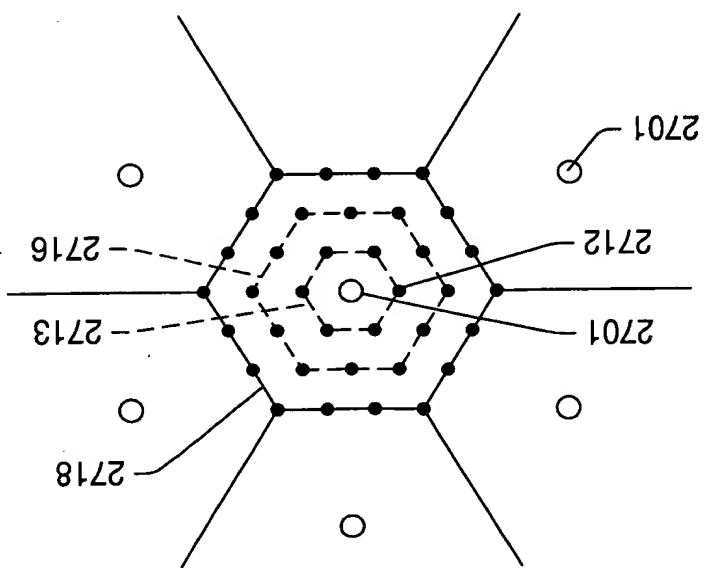


FIG. 63

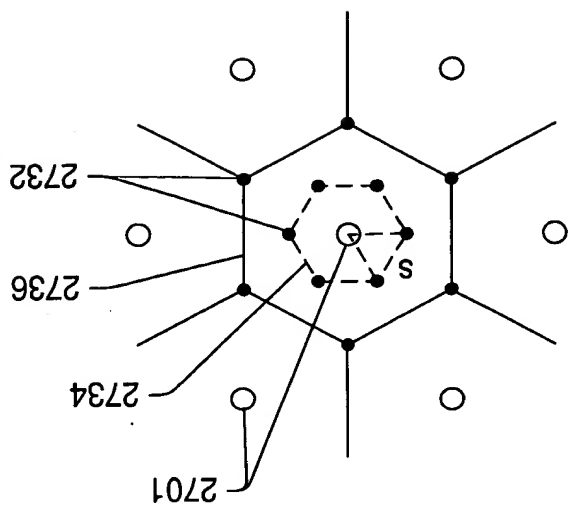
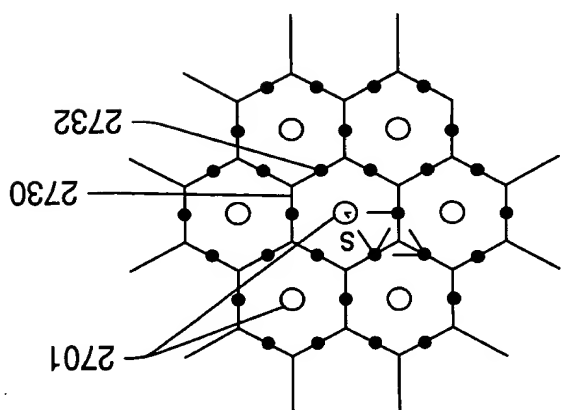


FIG. 62



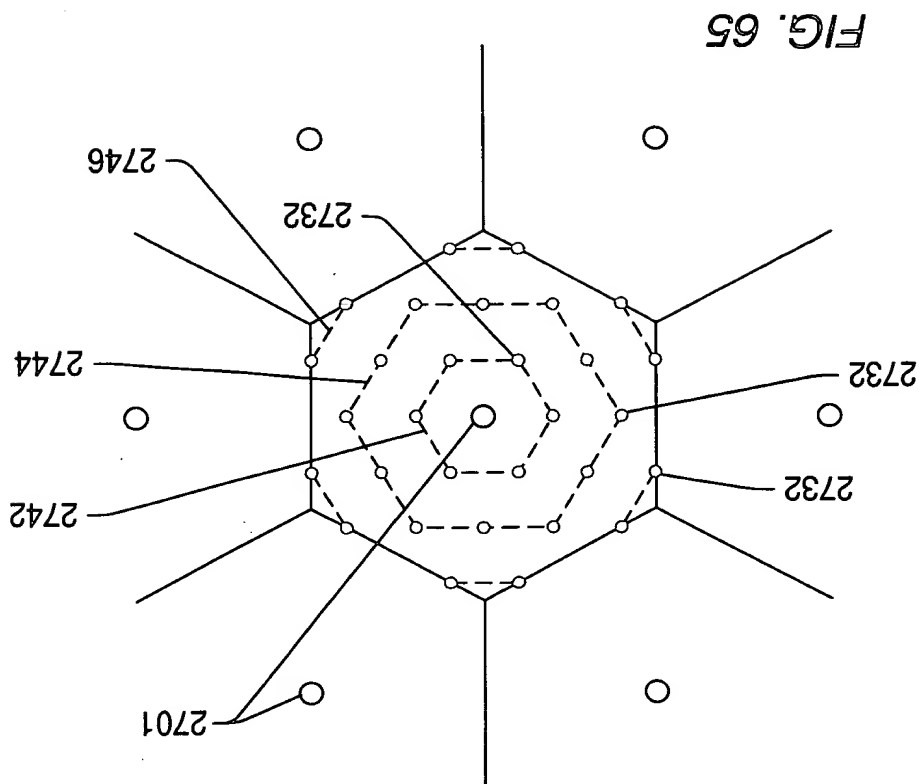


FIG. 64

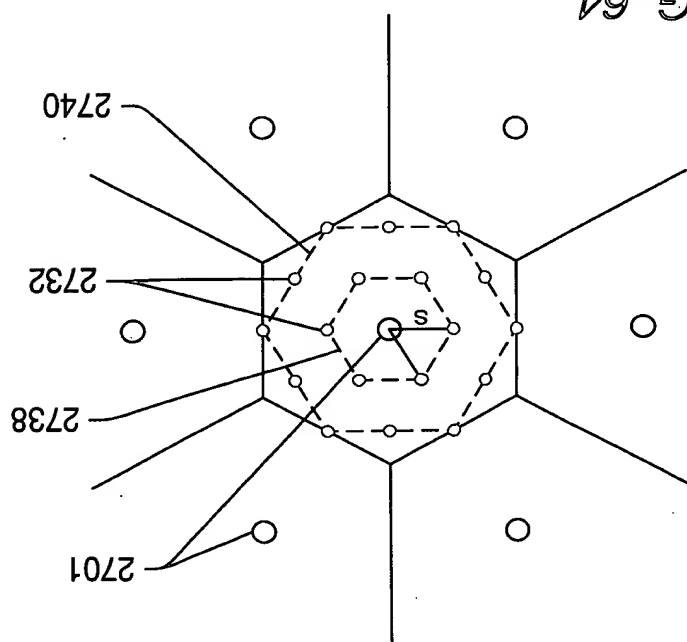




FIG. 66

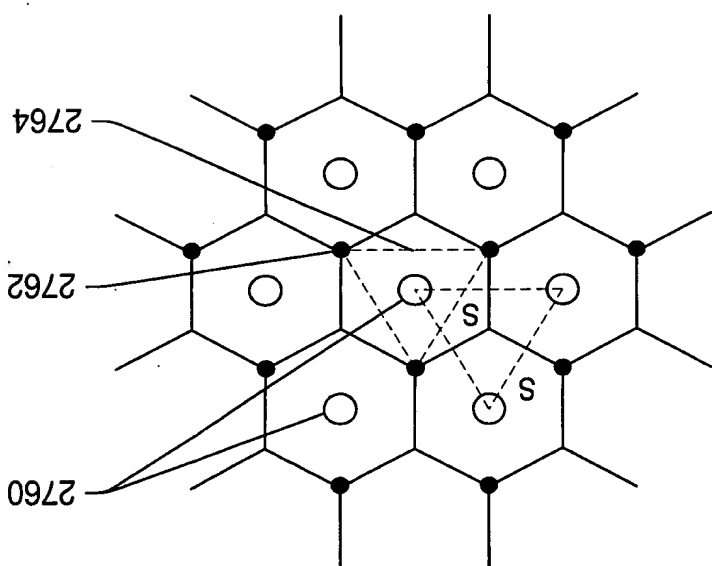
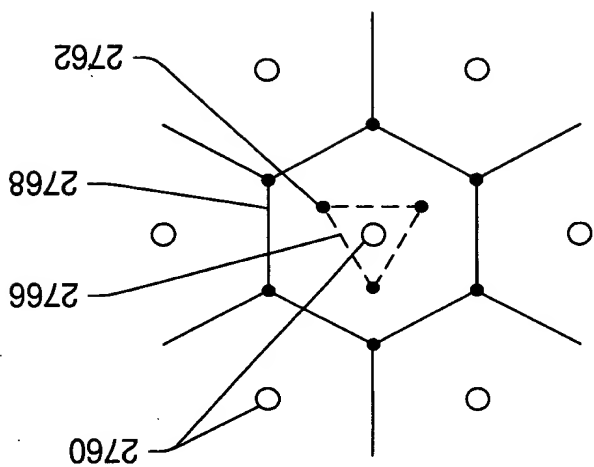


FIG. 69

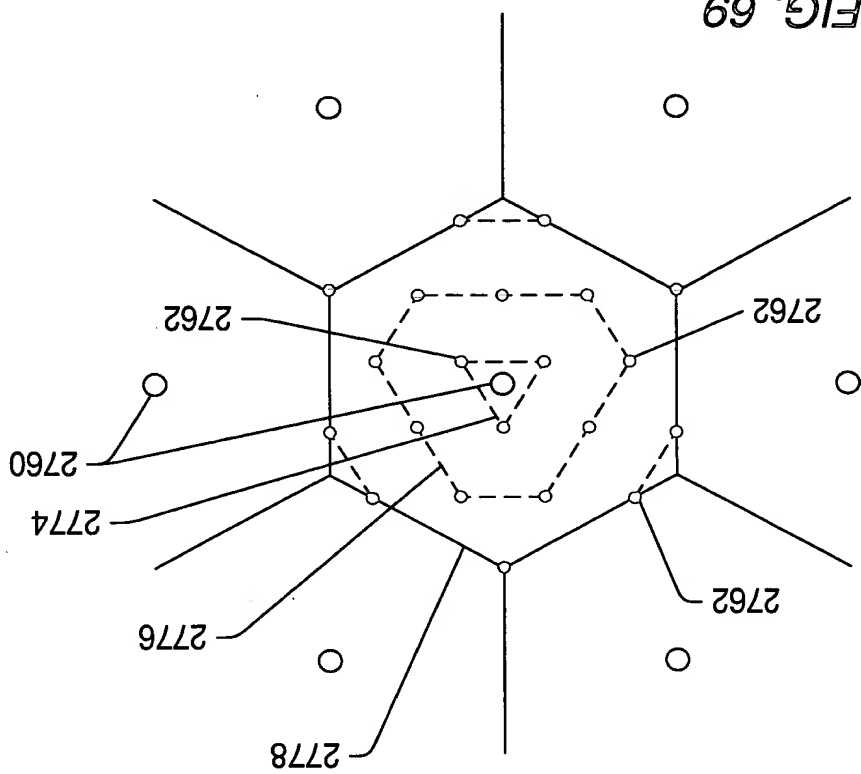
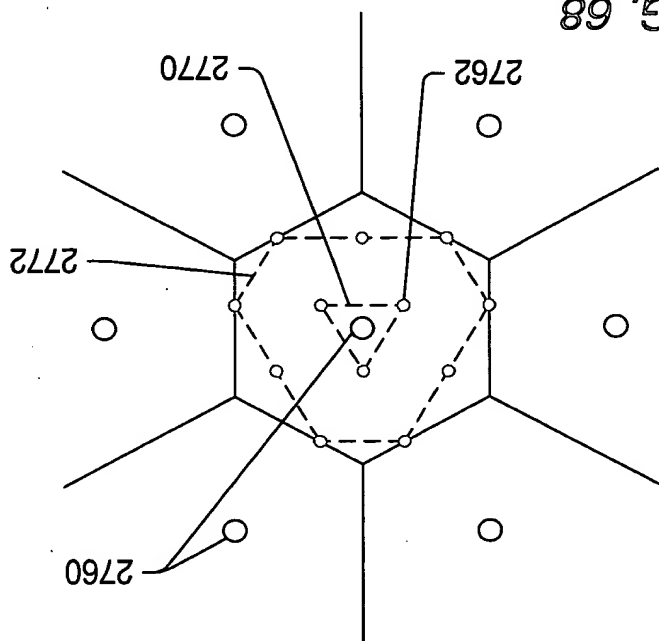
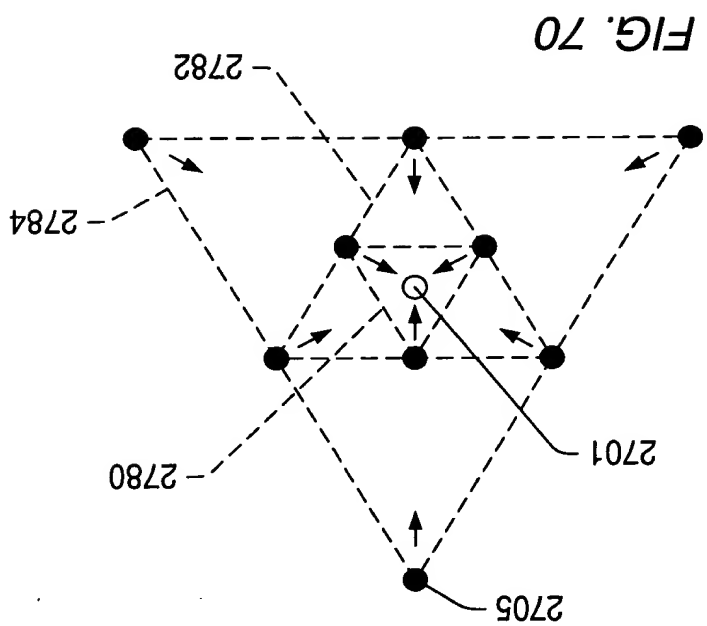


FIG. 68





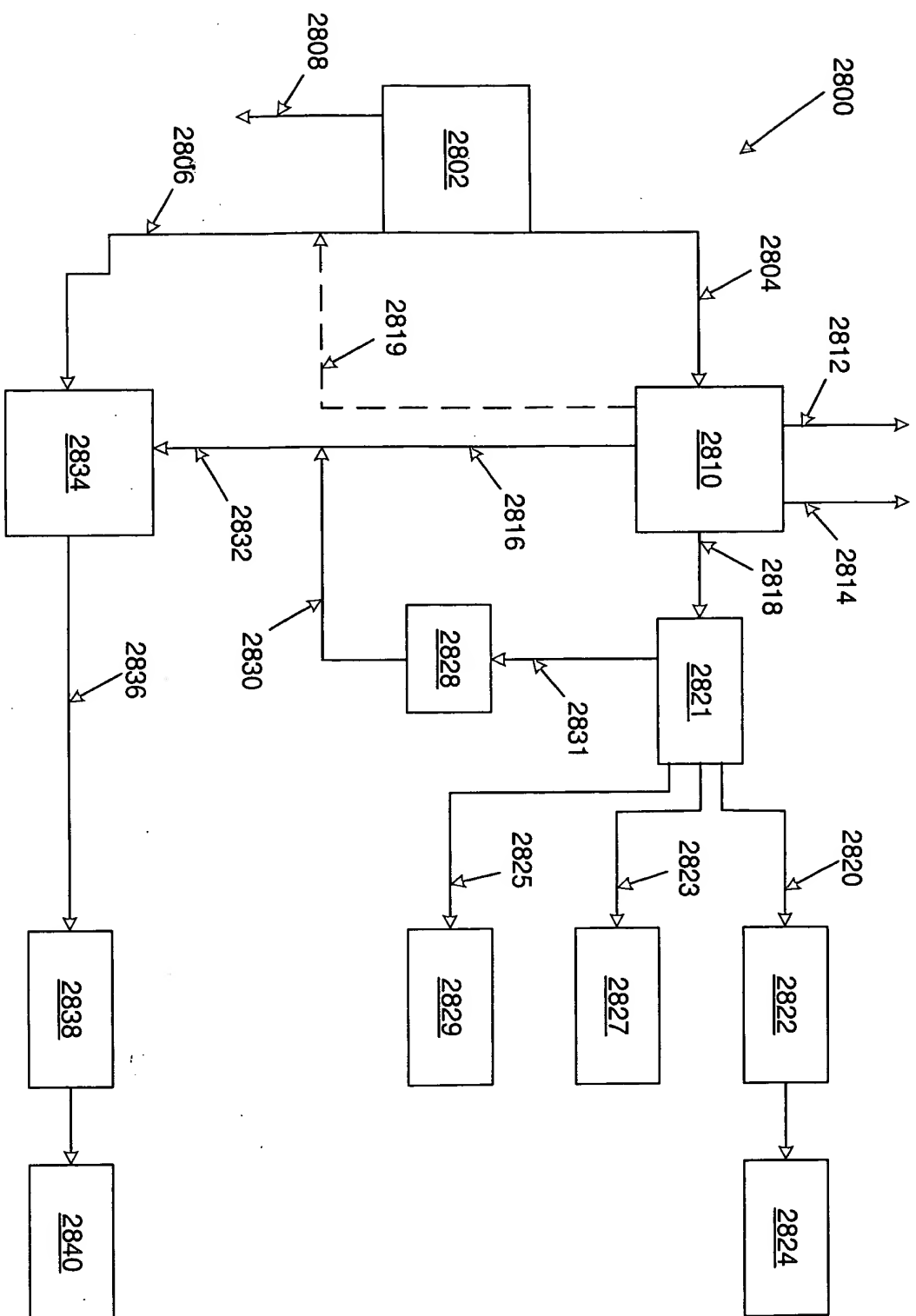


Fig. 71

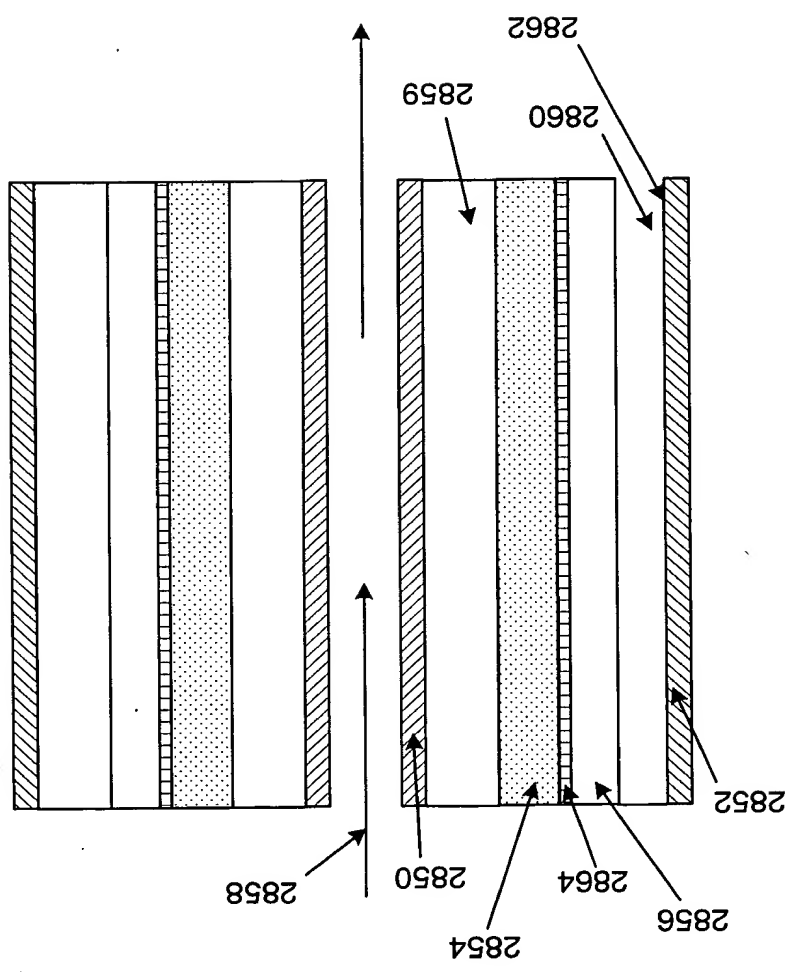


Fig. 72

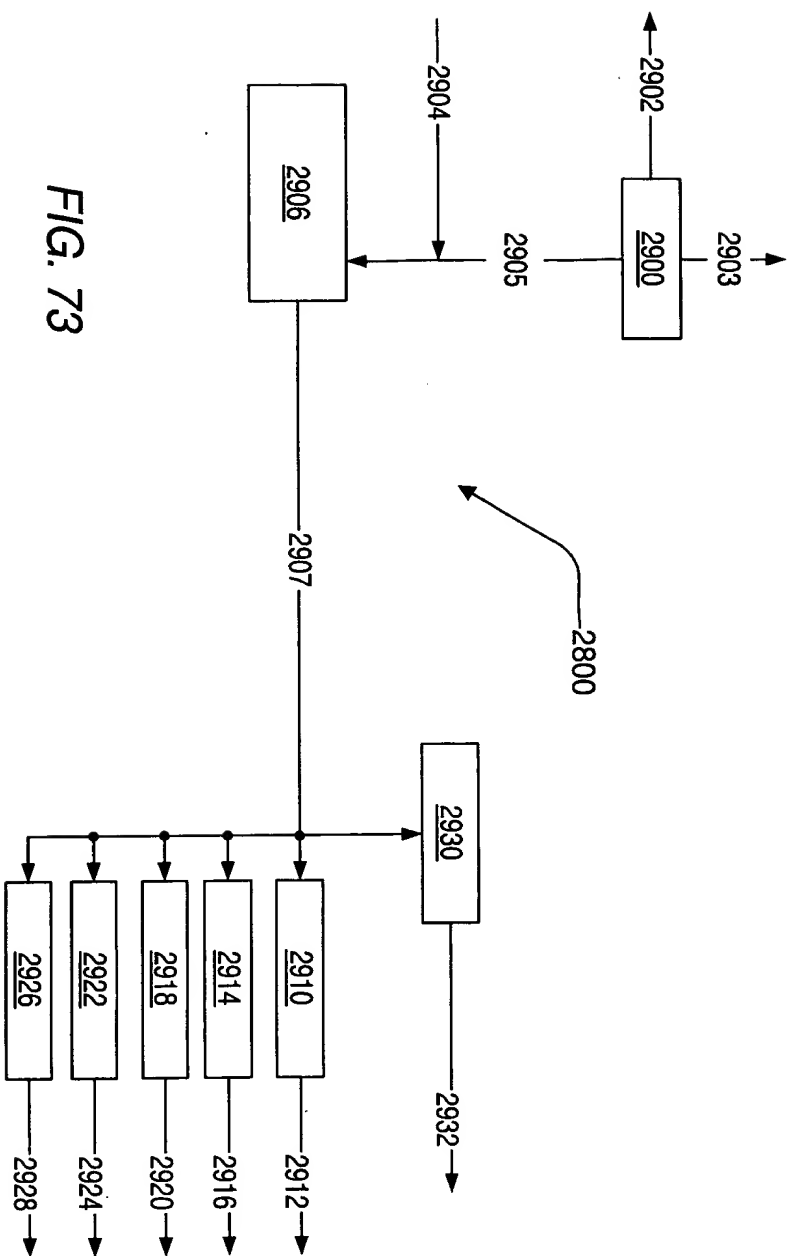


FIG. 73

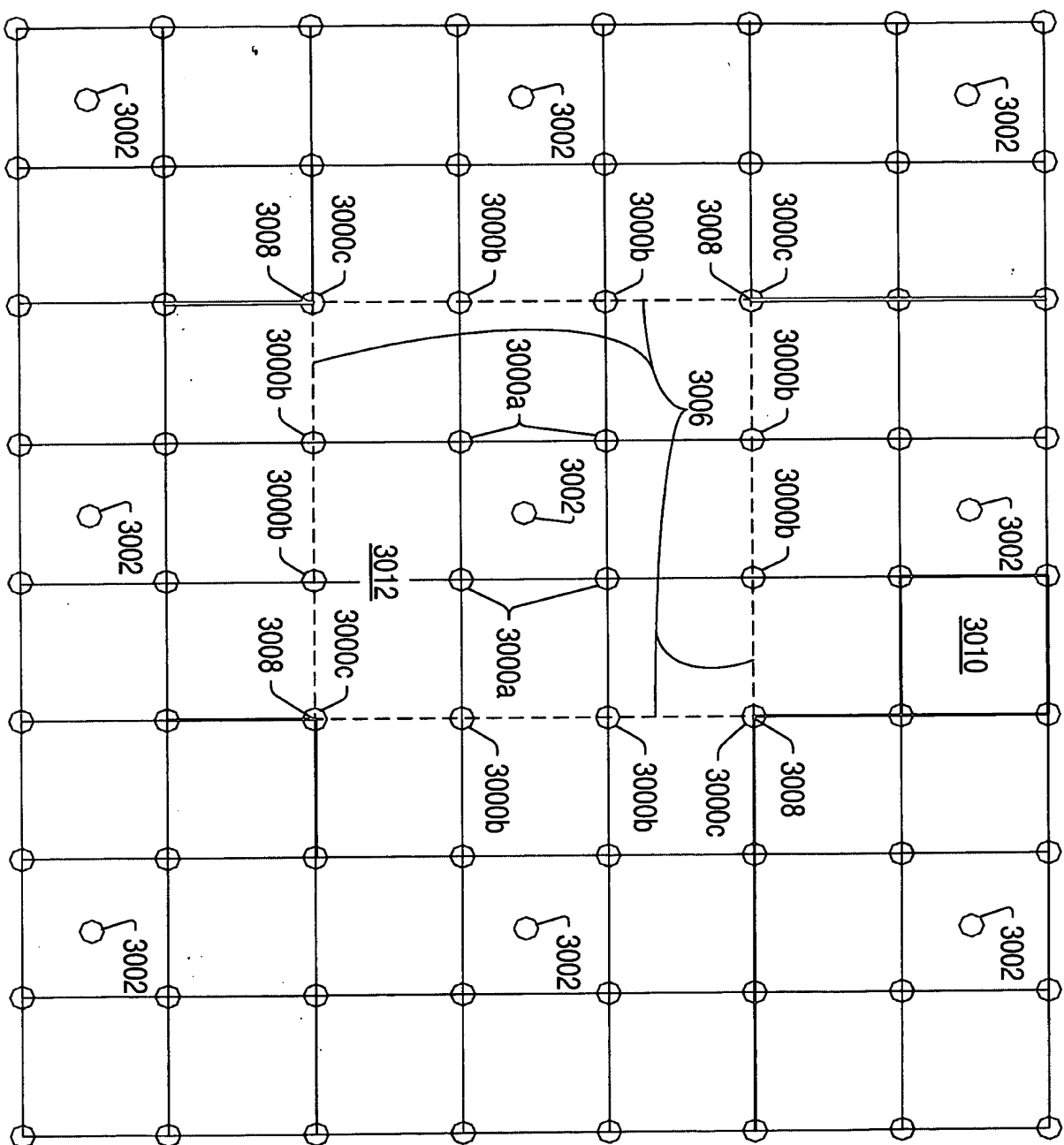
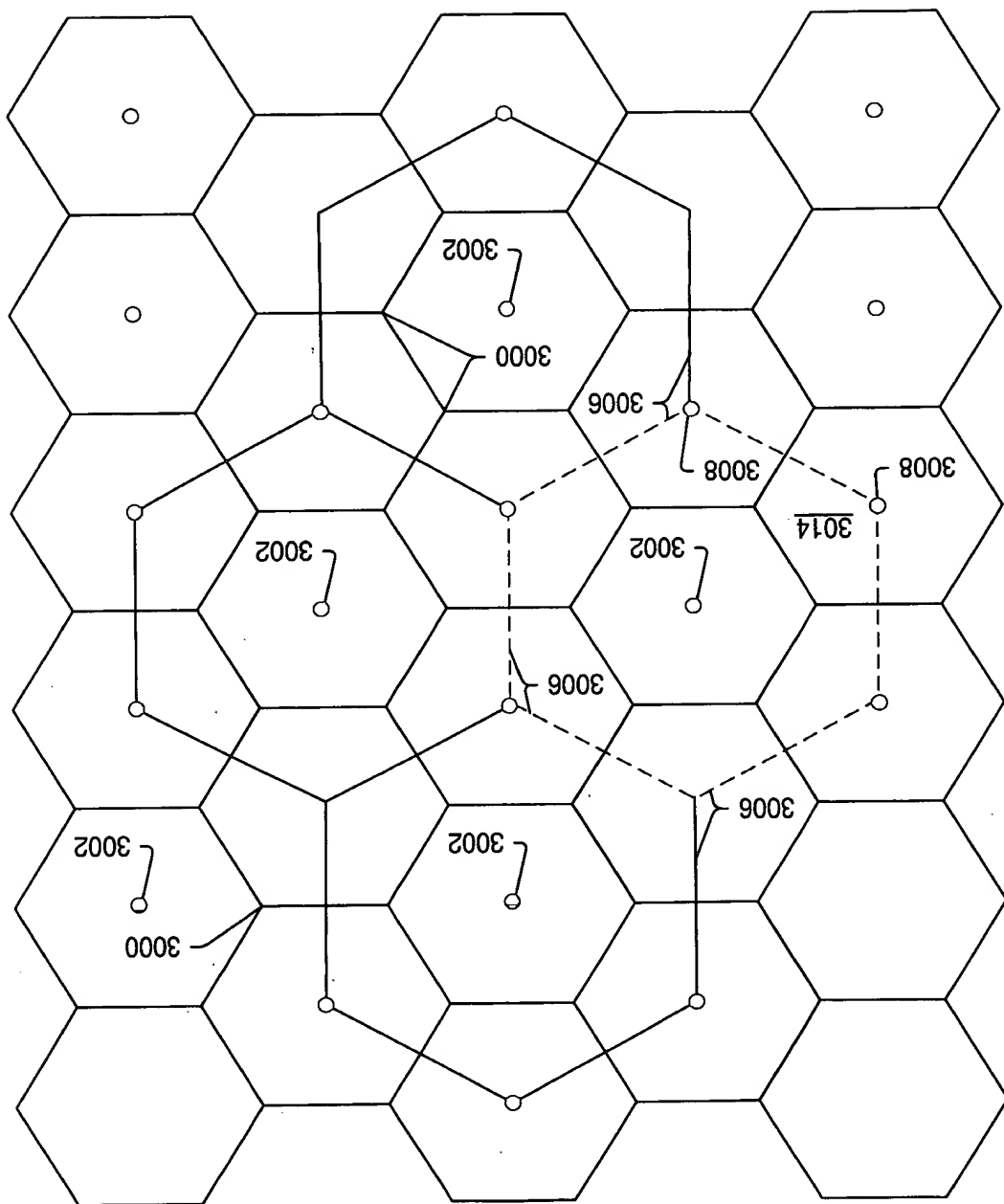
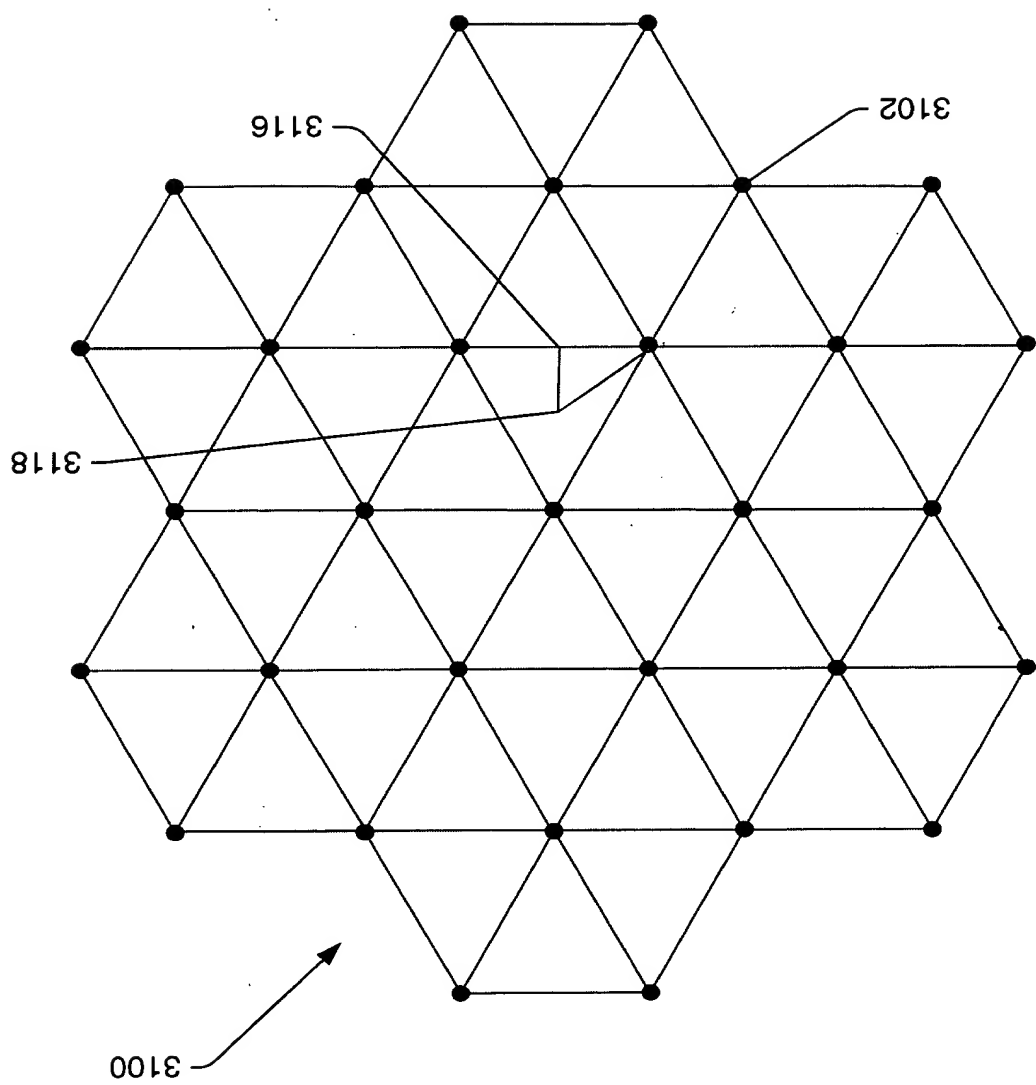


FIG. 74







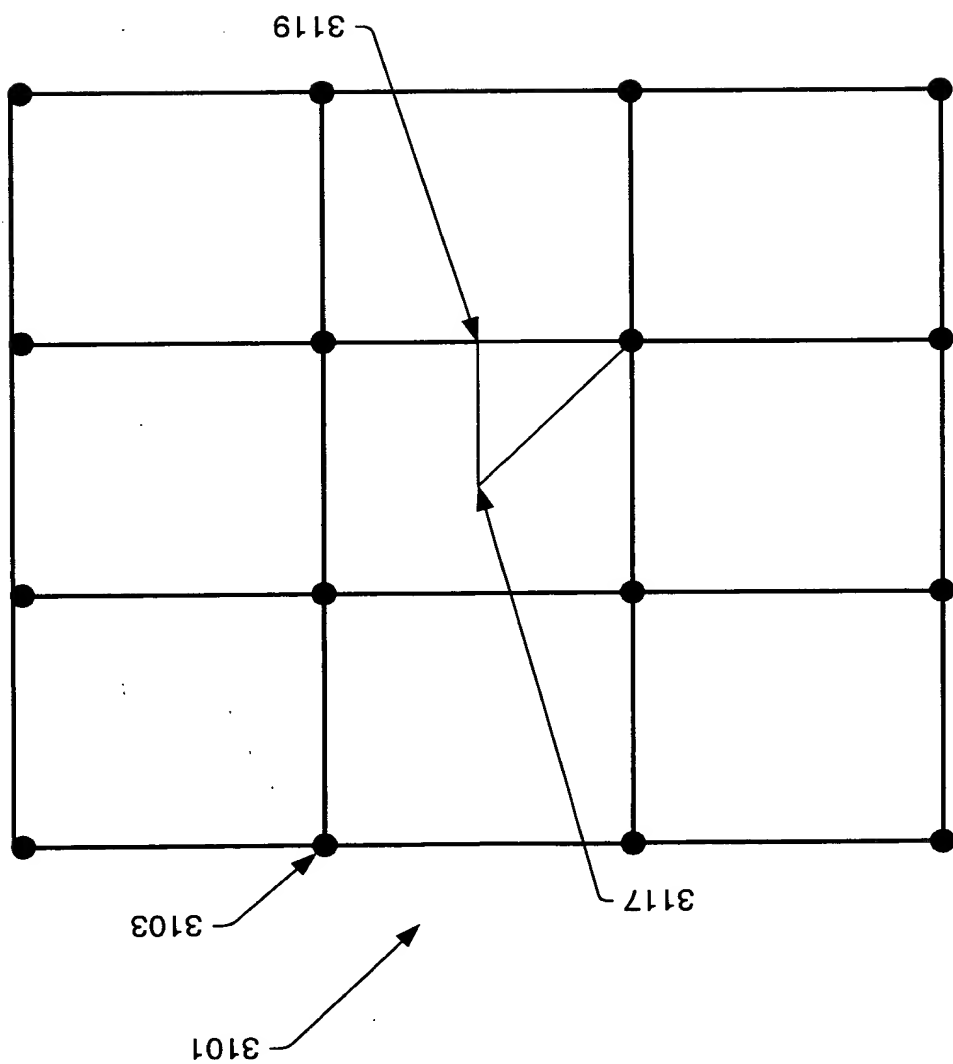


FIG. 76a

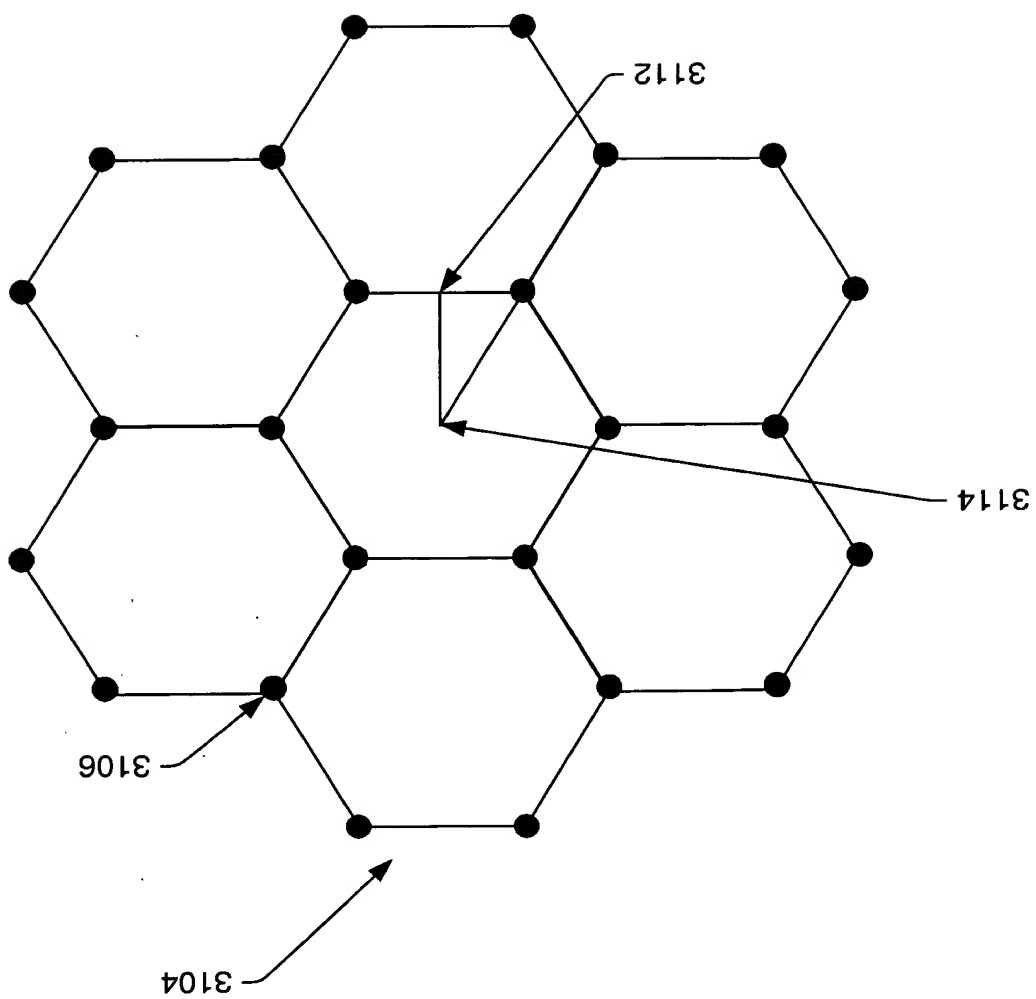


FIG. 77

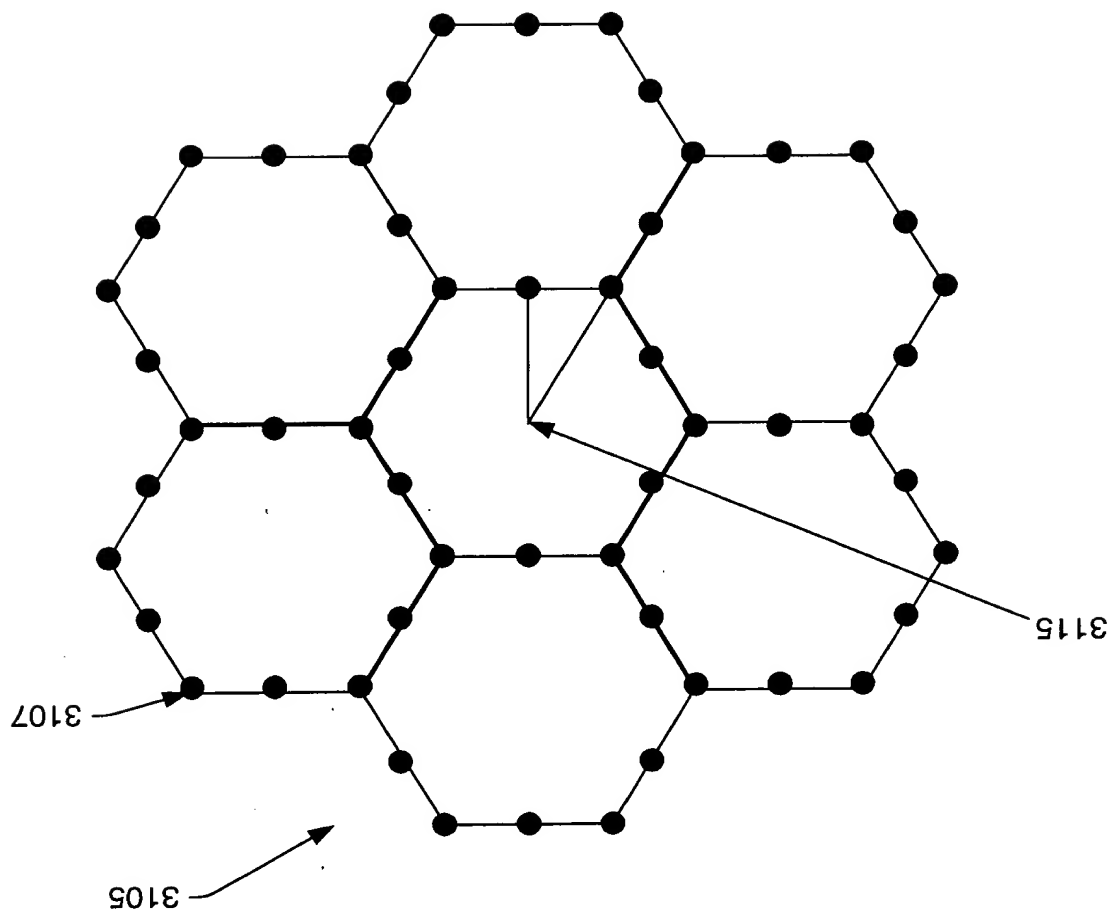


FIG. 77a

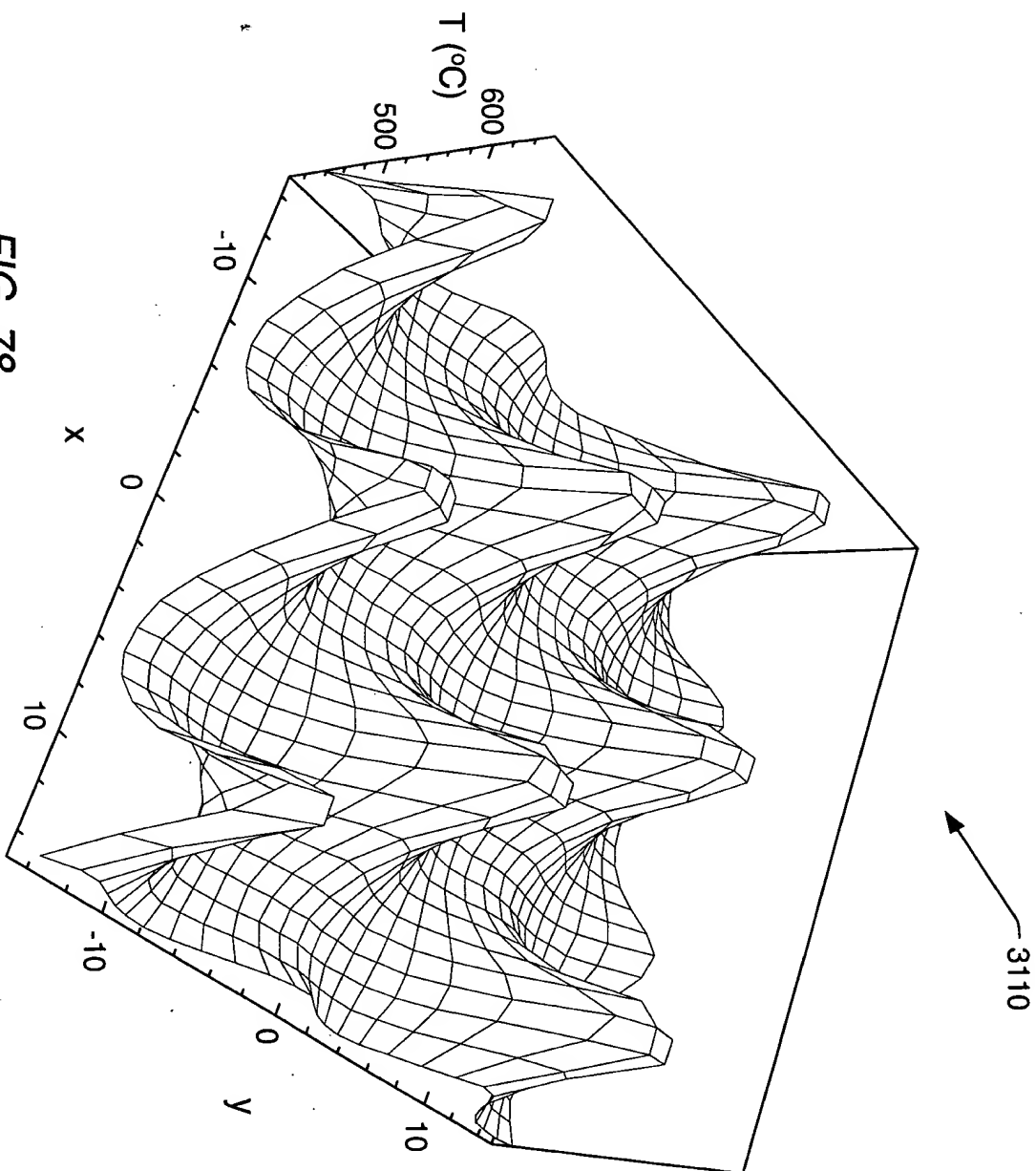


FIG. 78

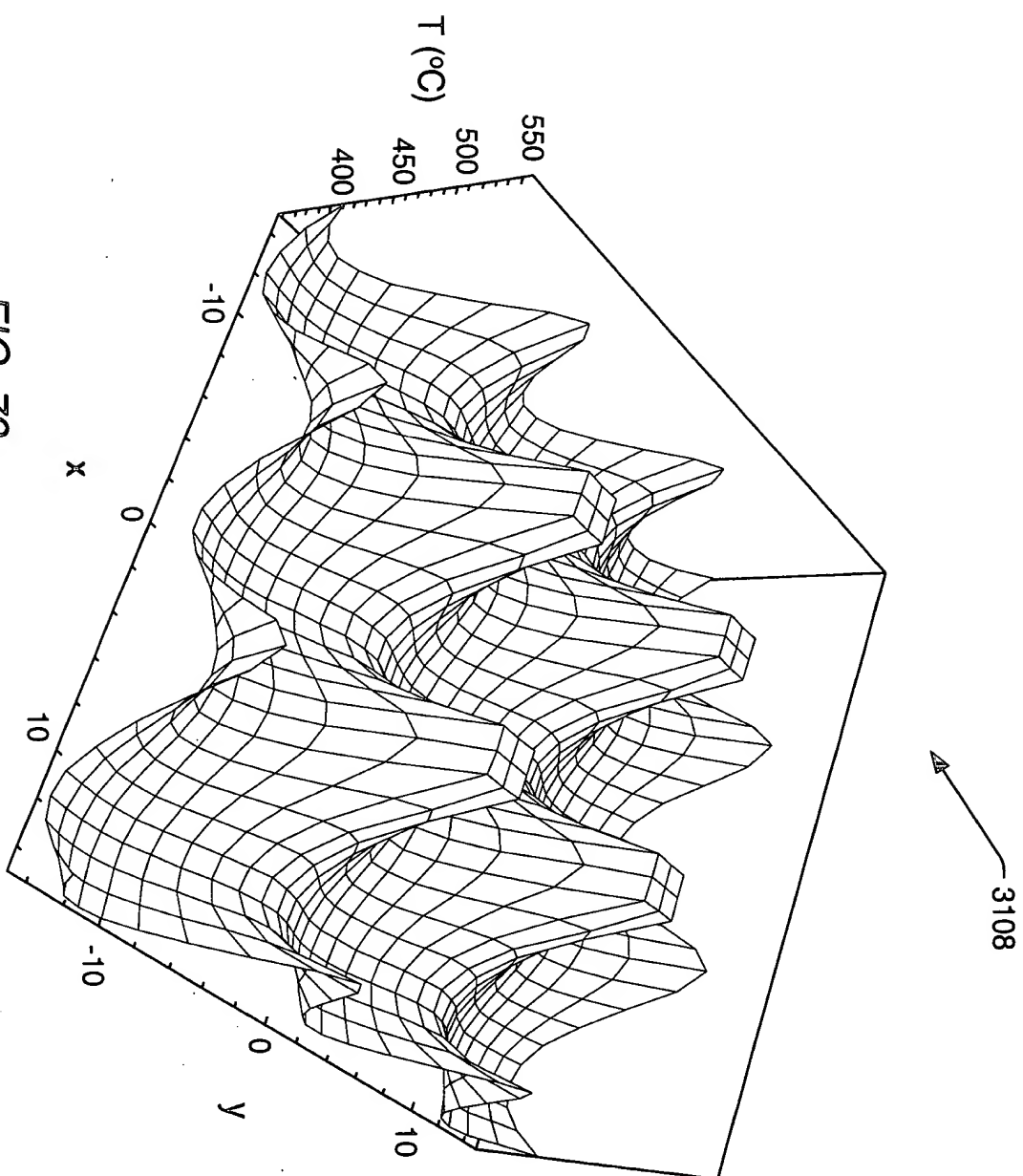


FIG. 79

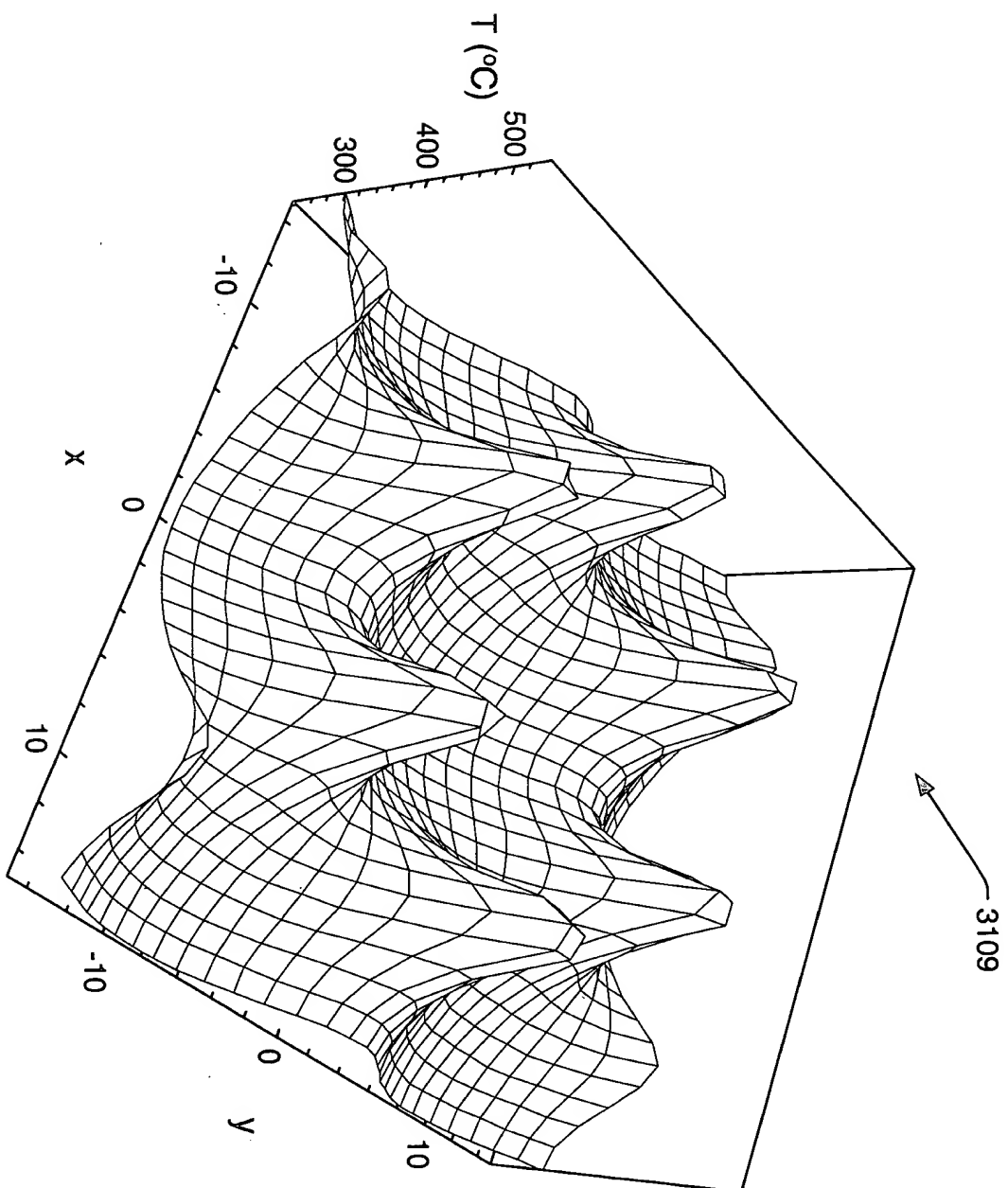


FIG. 79a

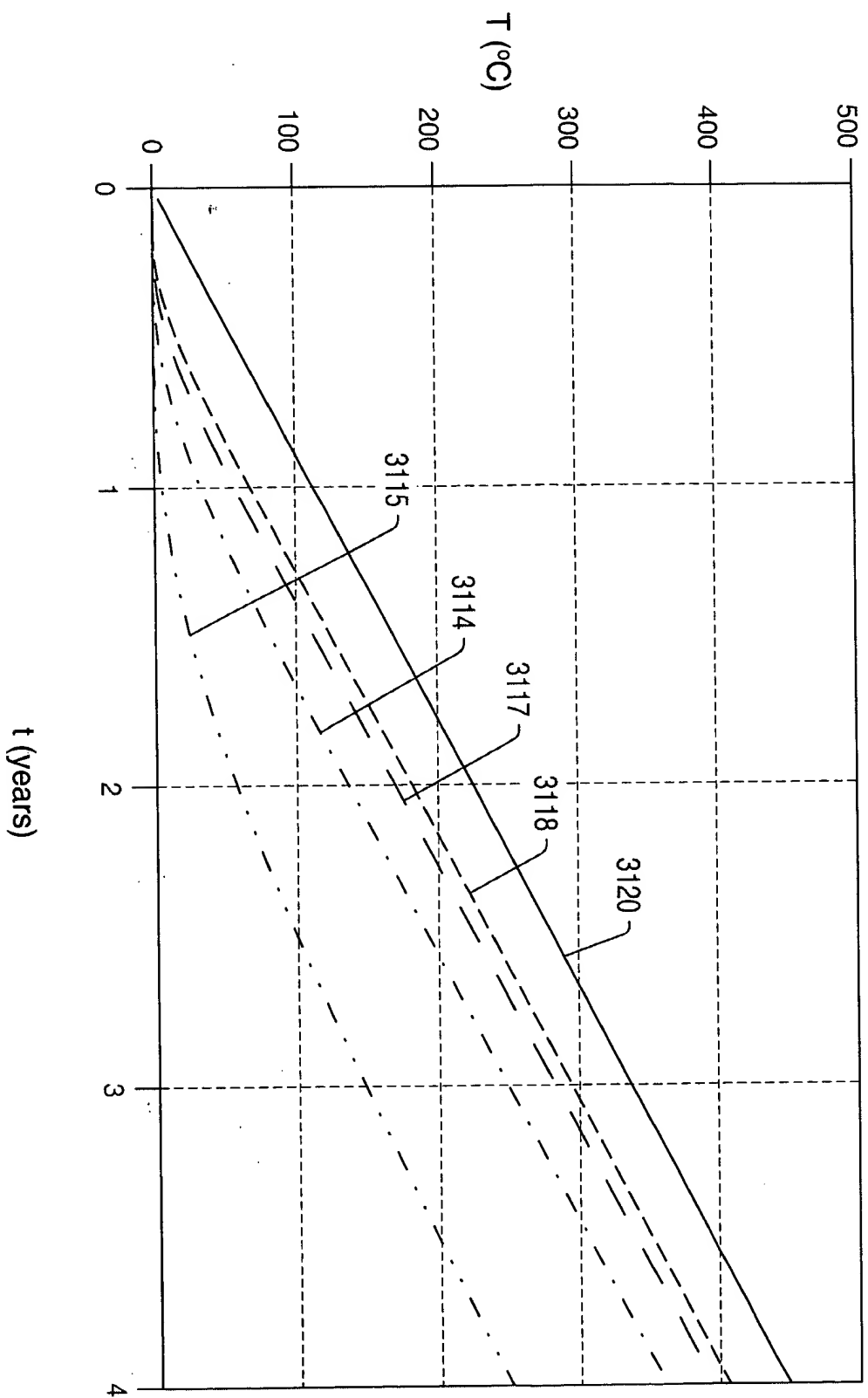


FIG. 80



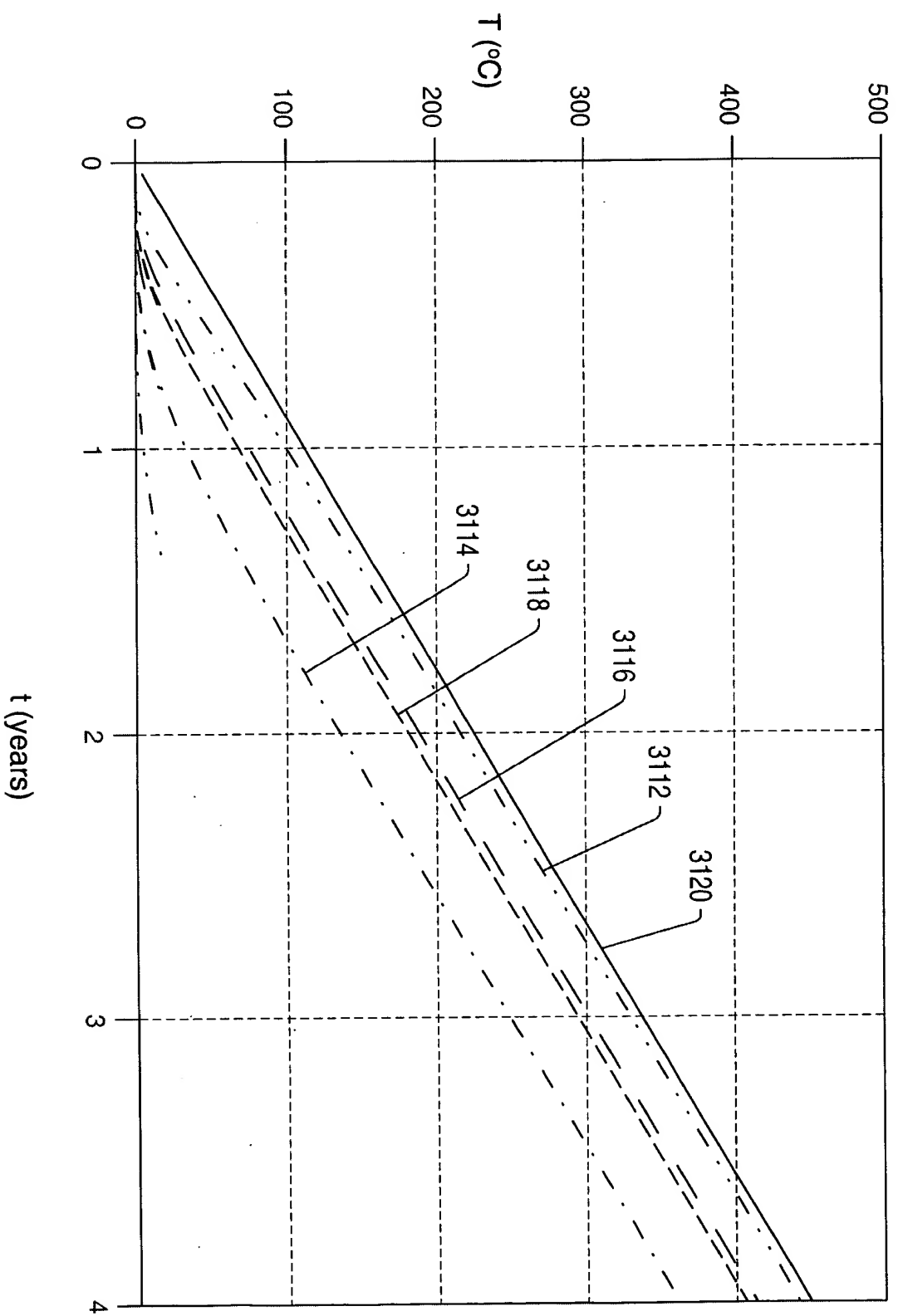


FIG. 81

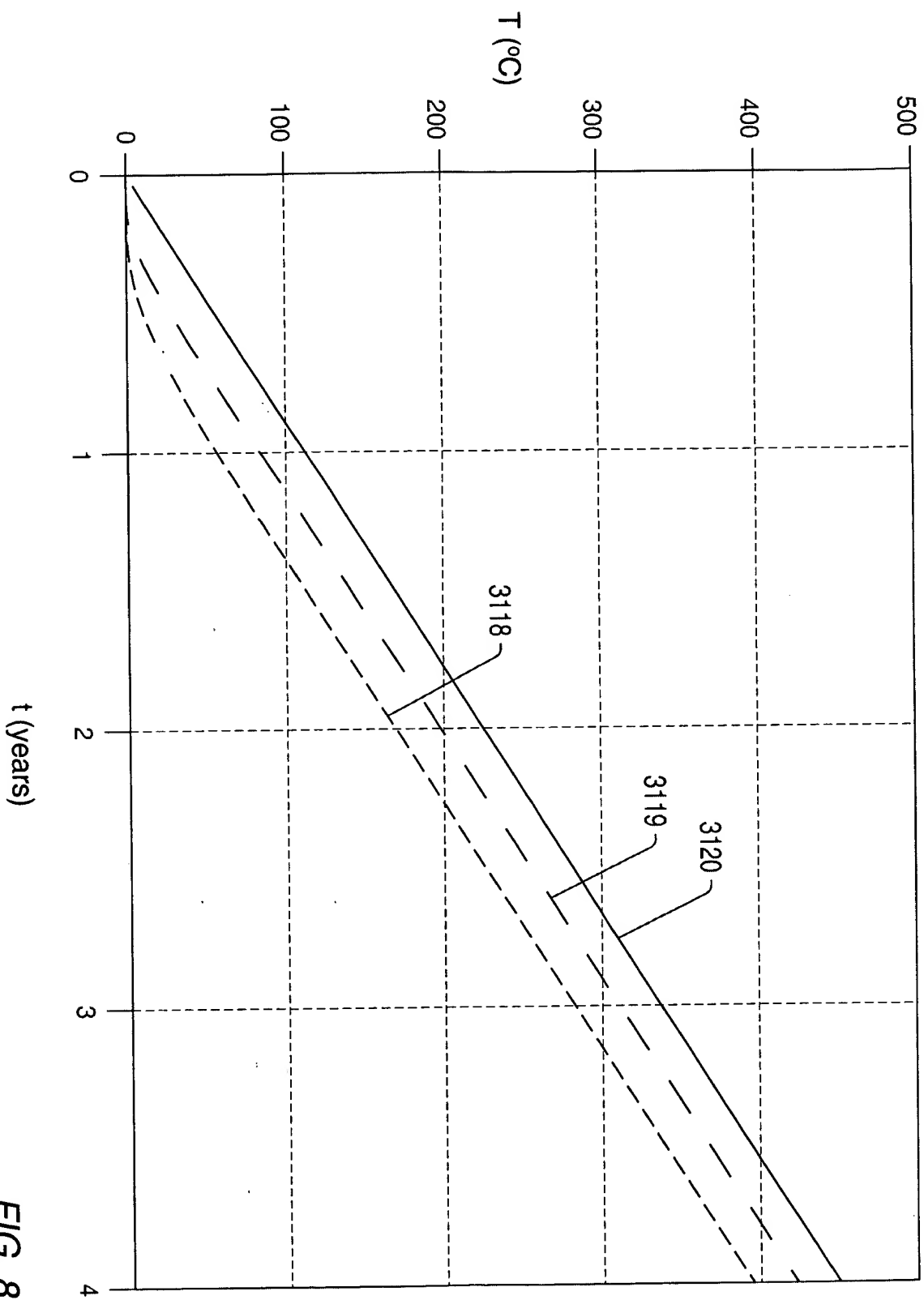


FIG. 81a

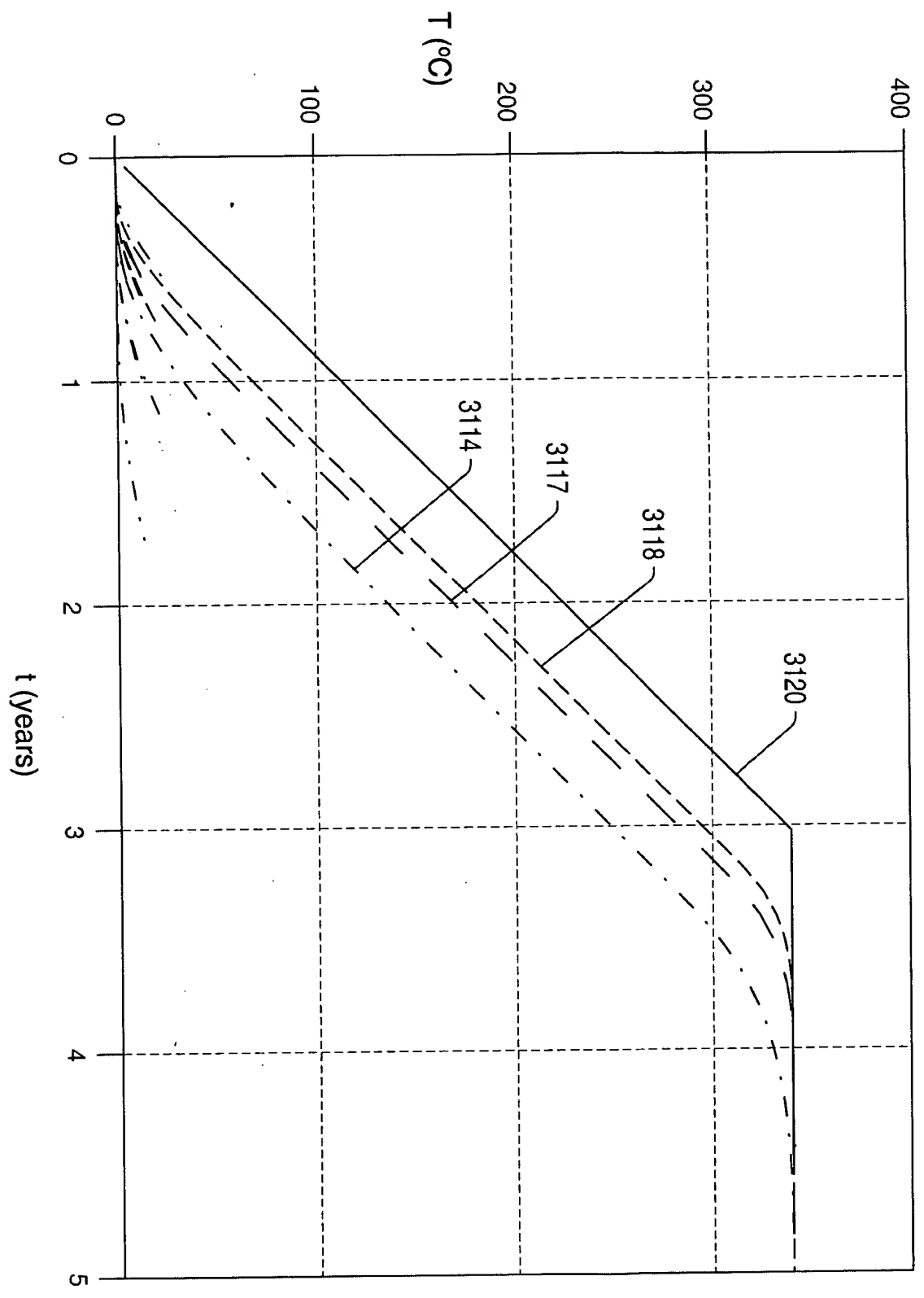


FIG. 81b

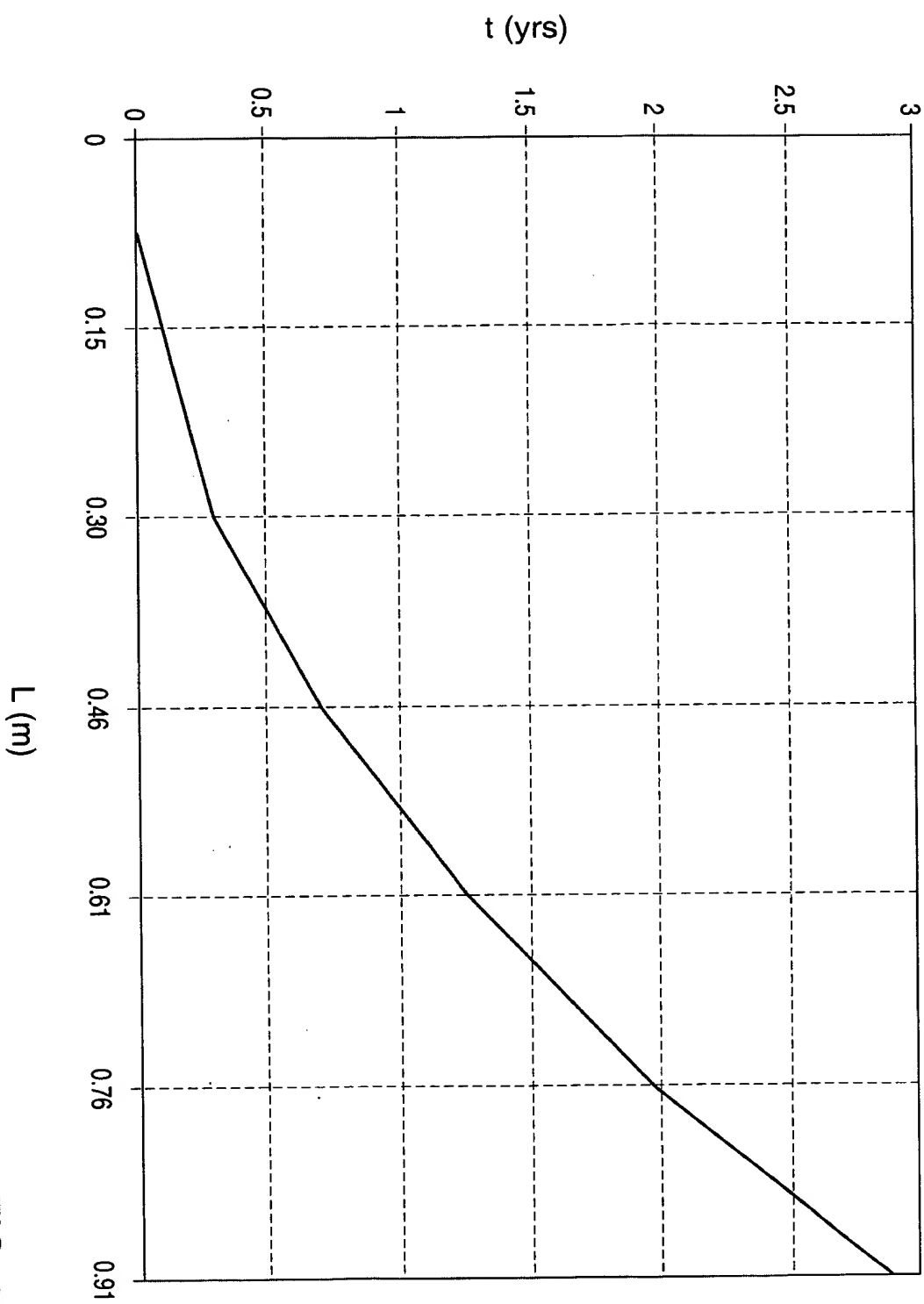


FIG. 82

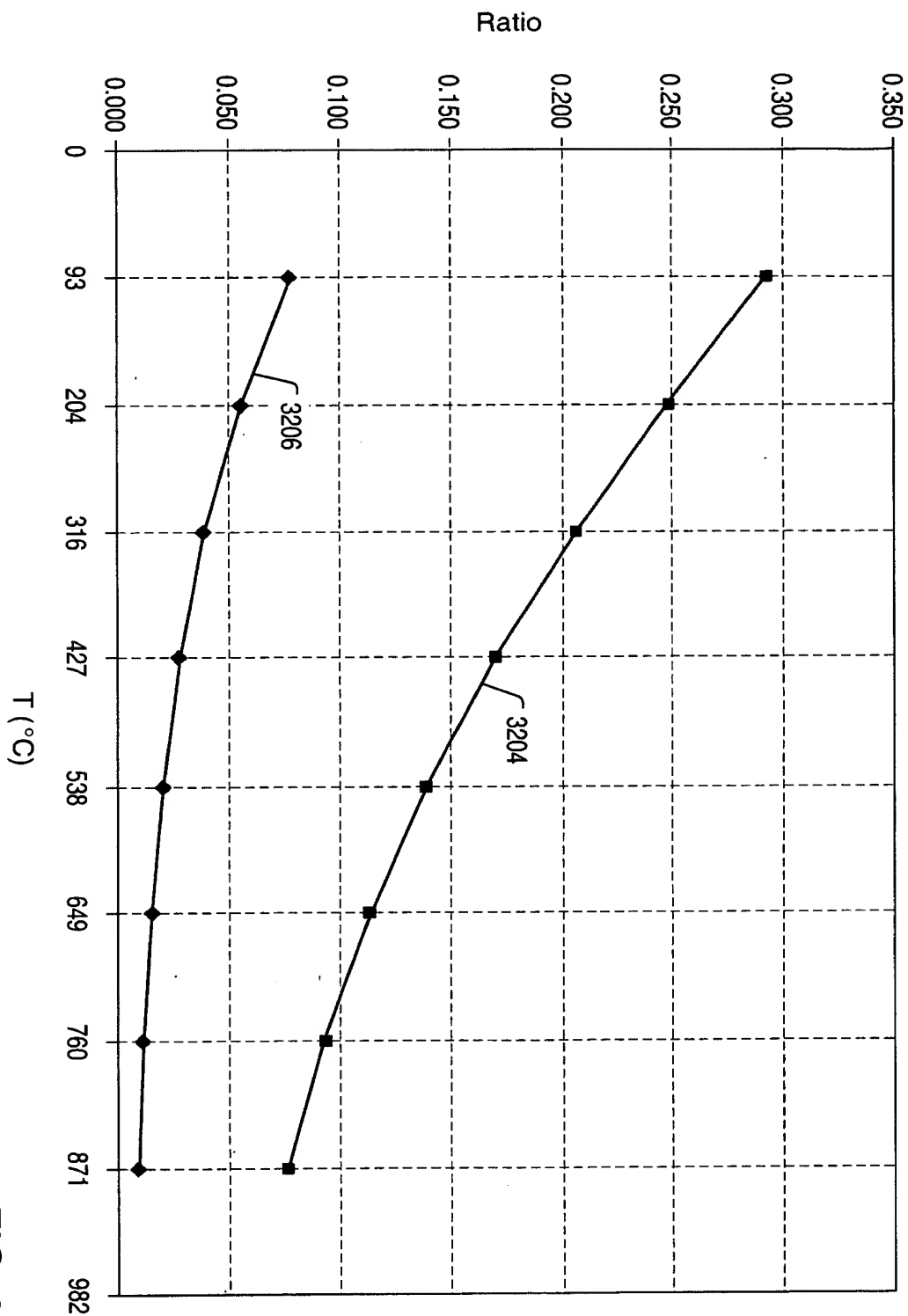


FIG. 83

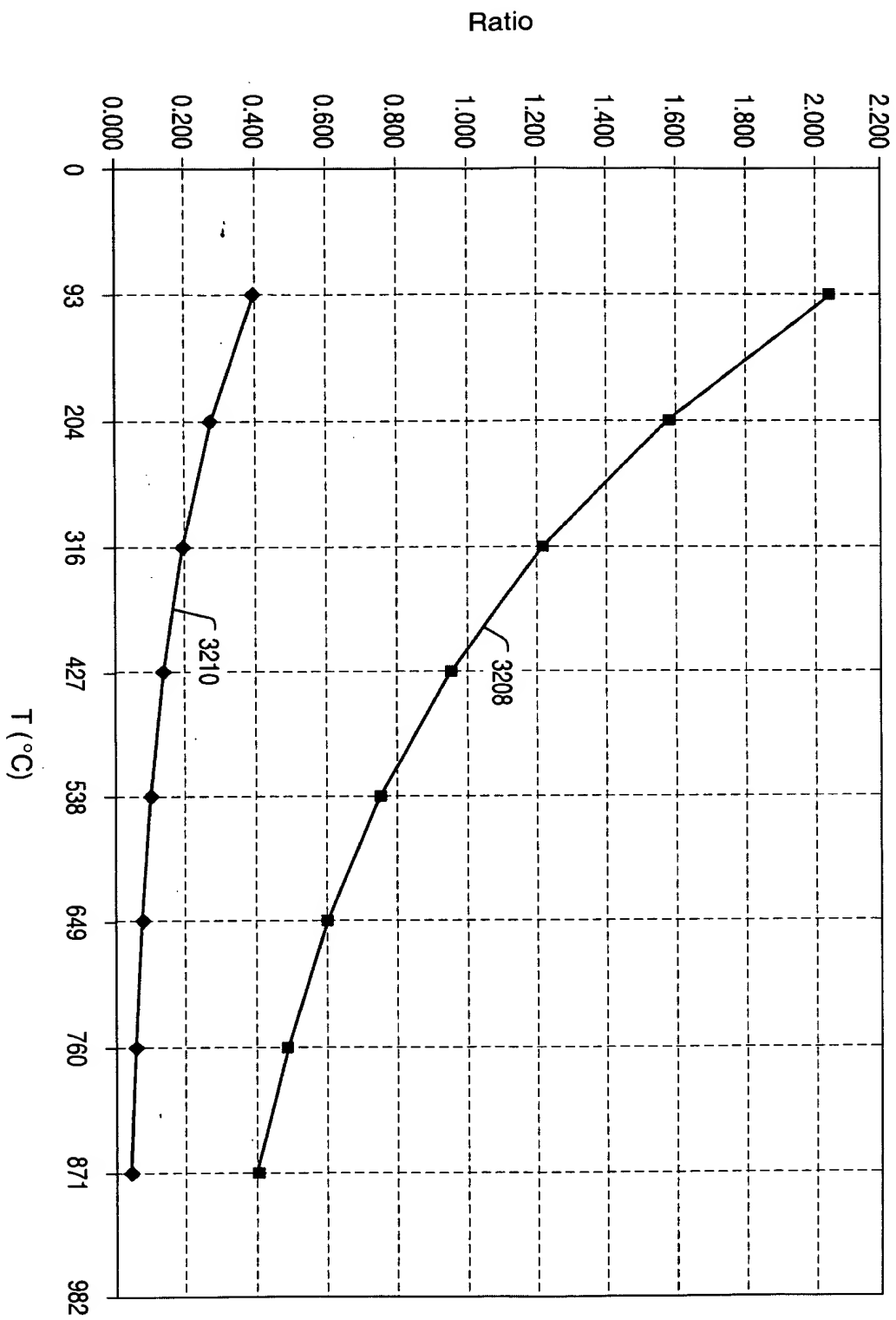


FIG. 84

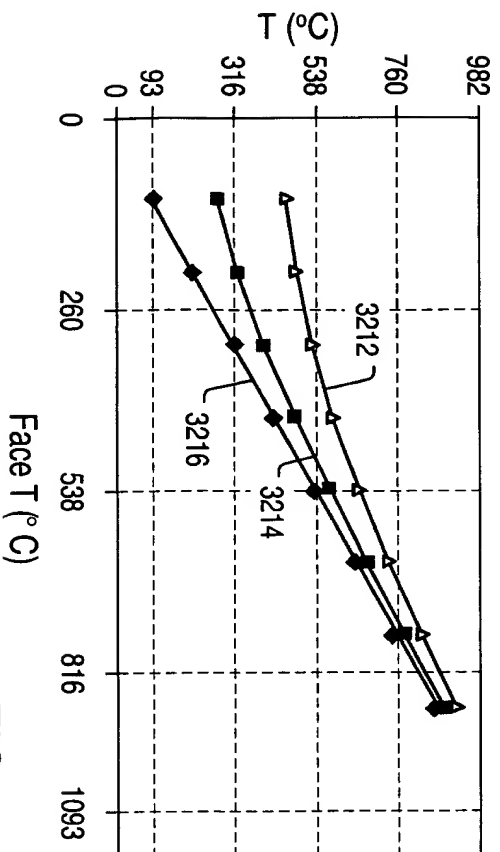


FIG. 85

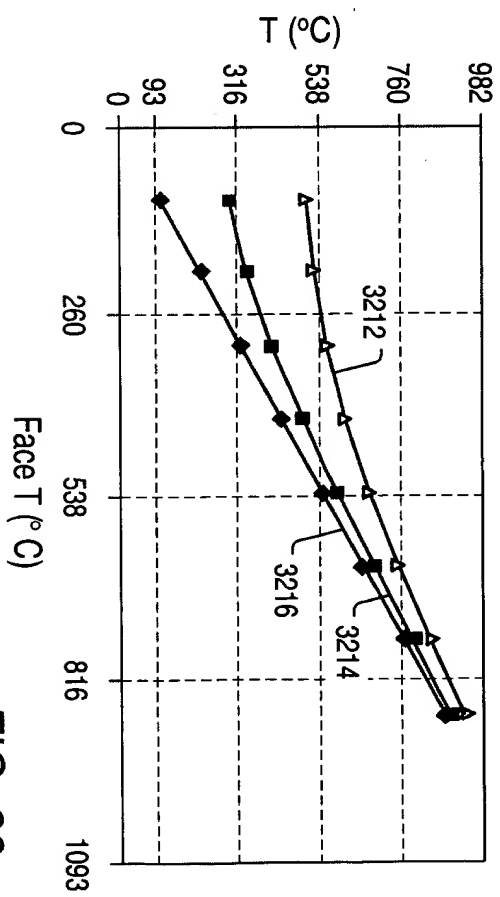


FIG. 86

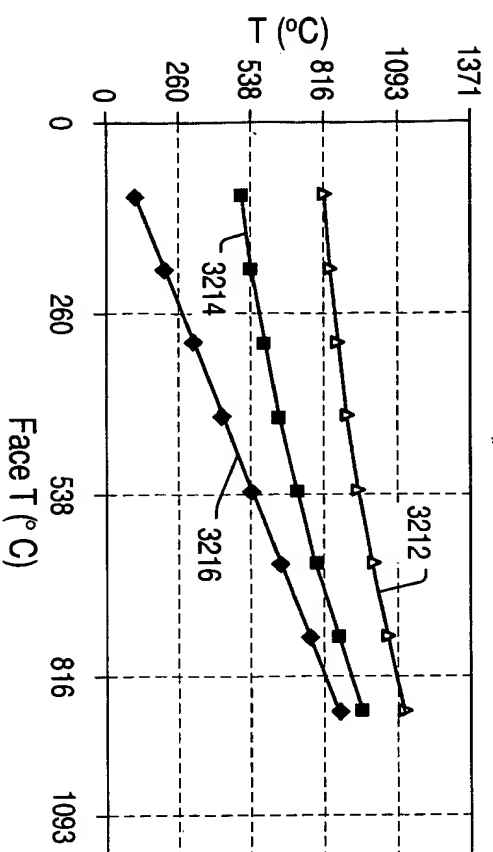


FIG. 87

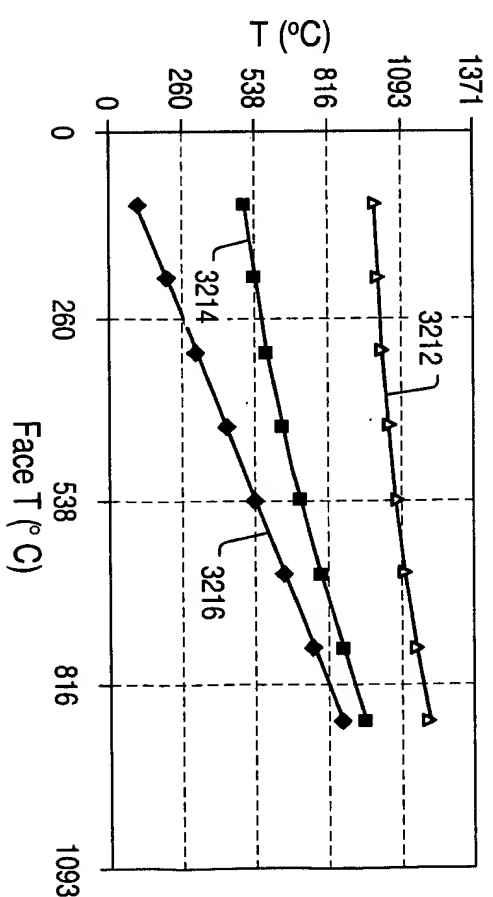


FIG. 88

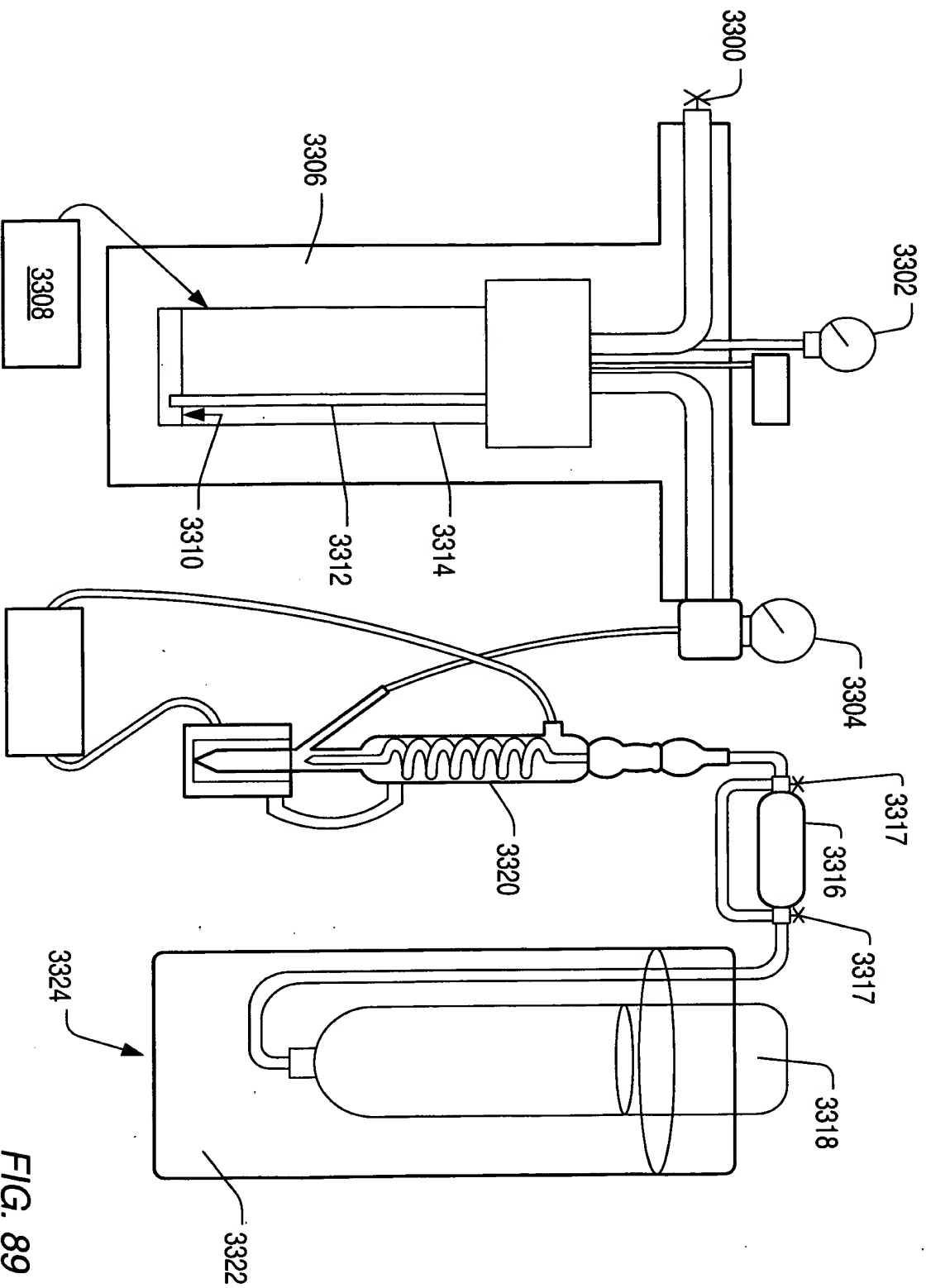


FIG. 89



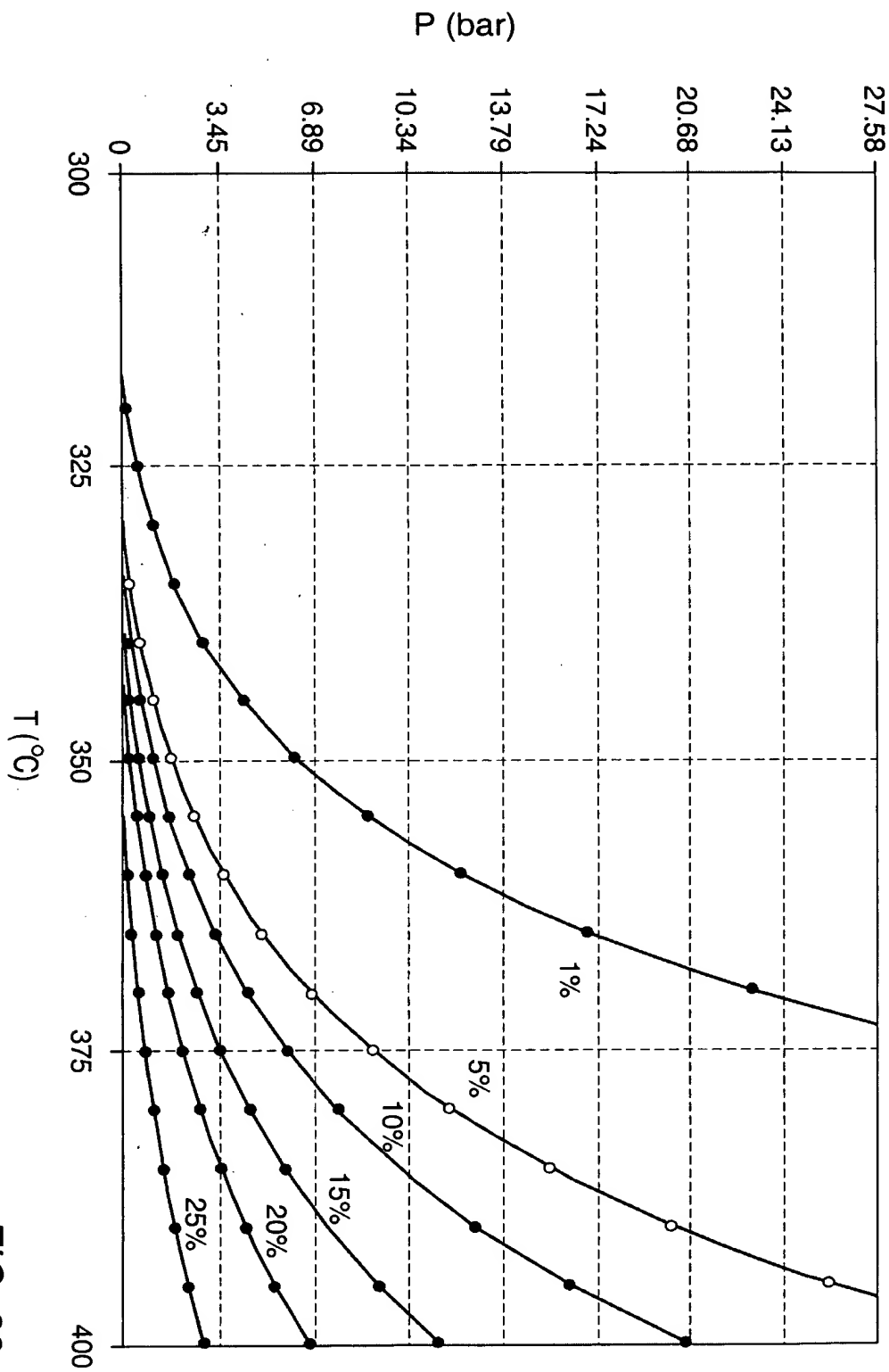


FIG. 90

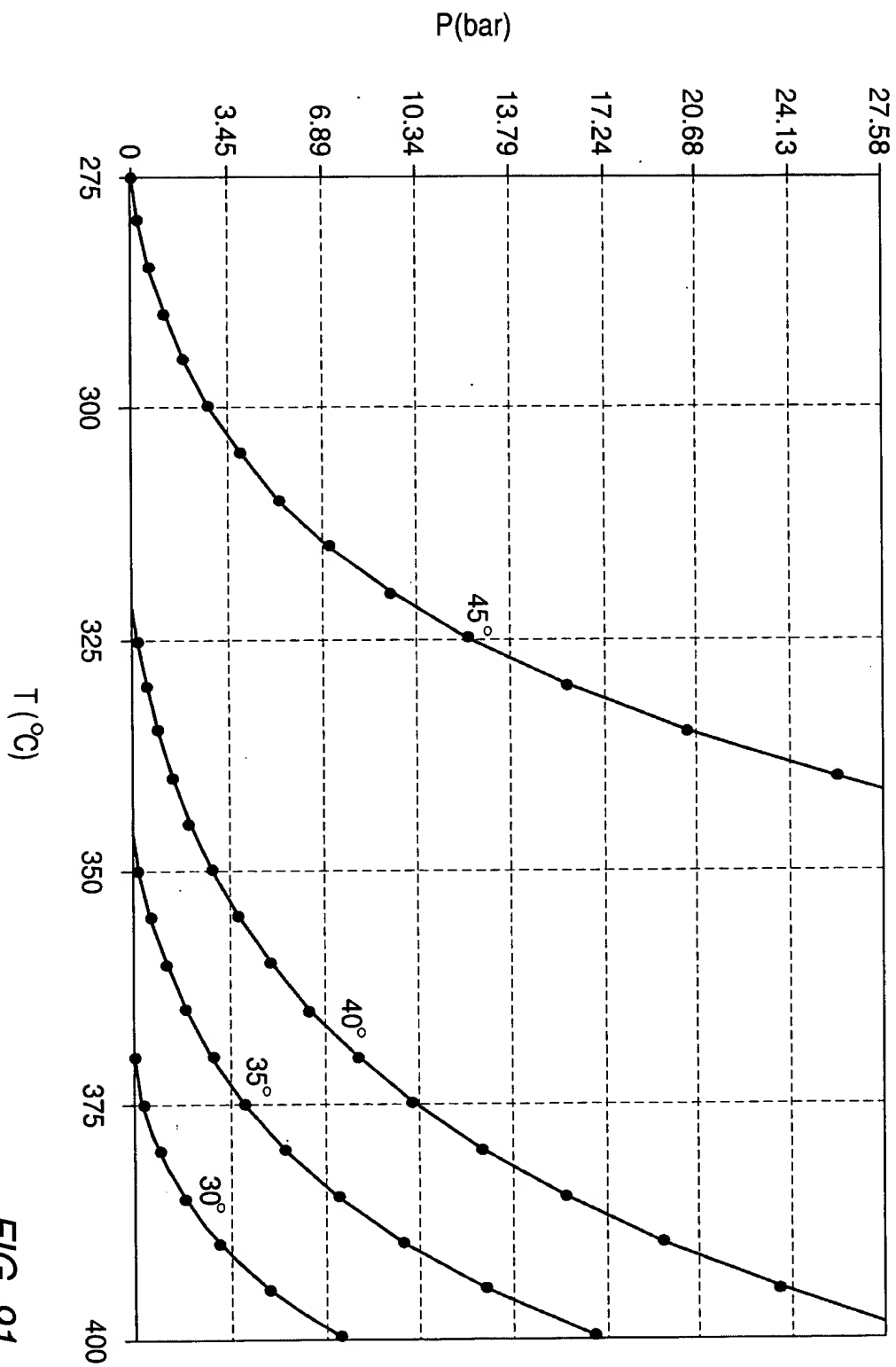


FIG. 91

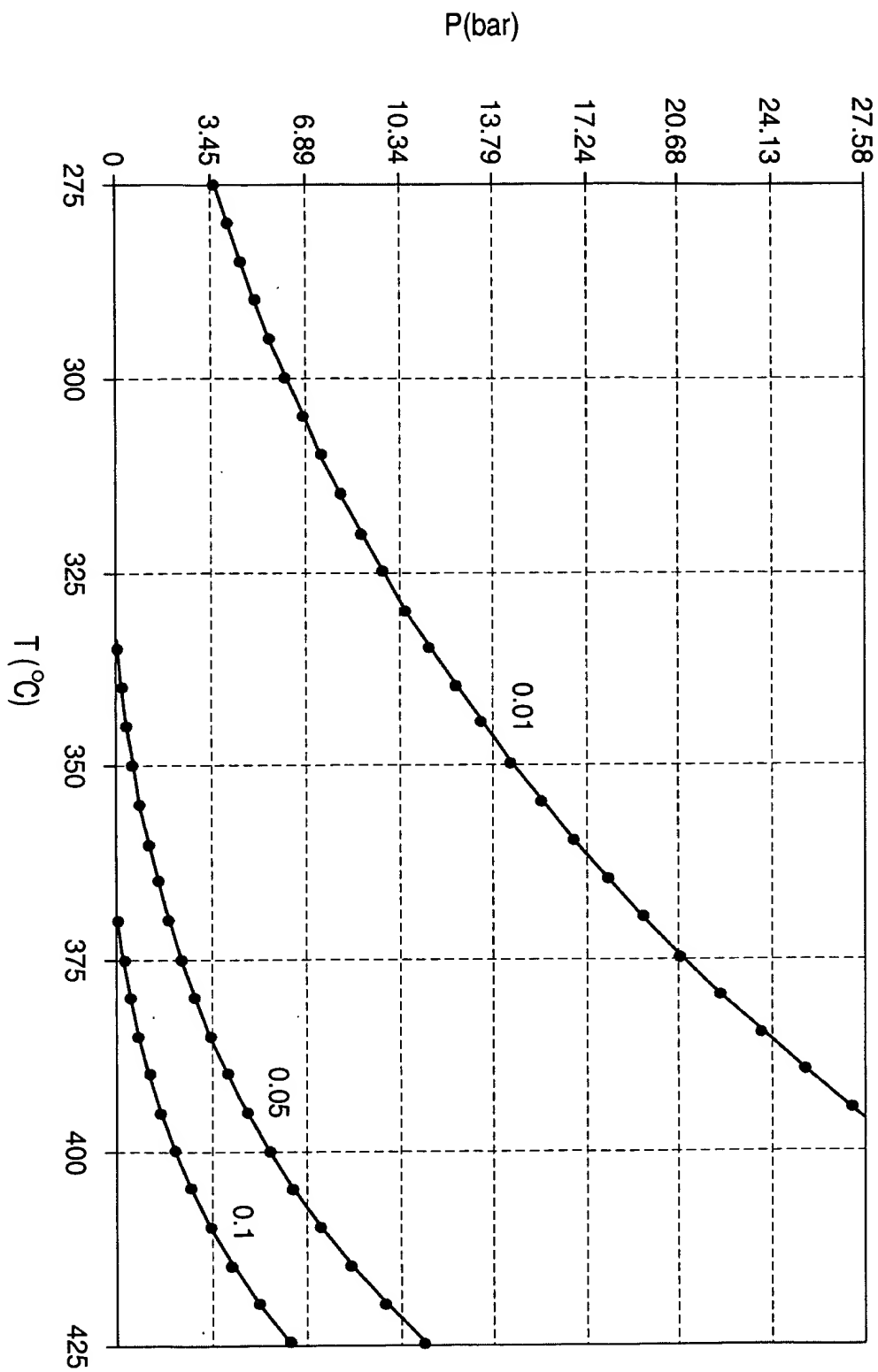


FIG. 92

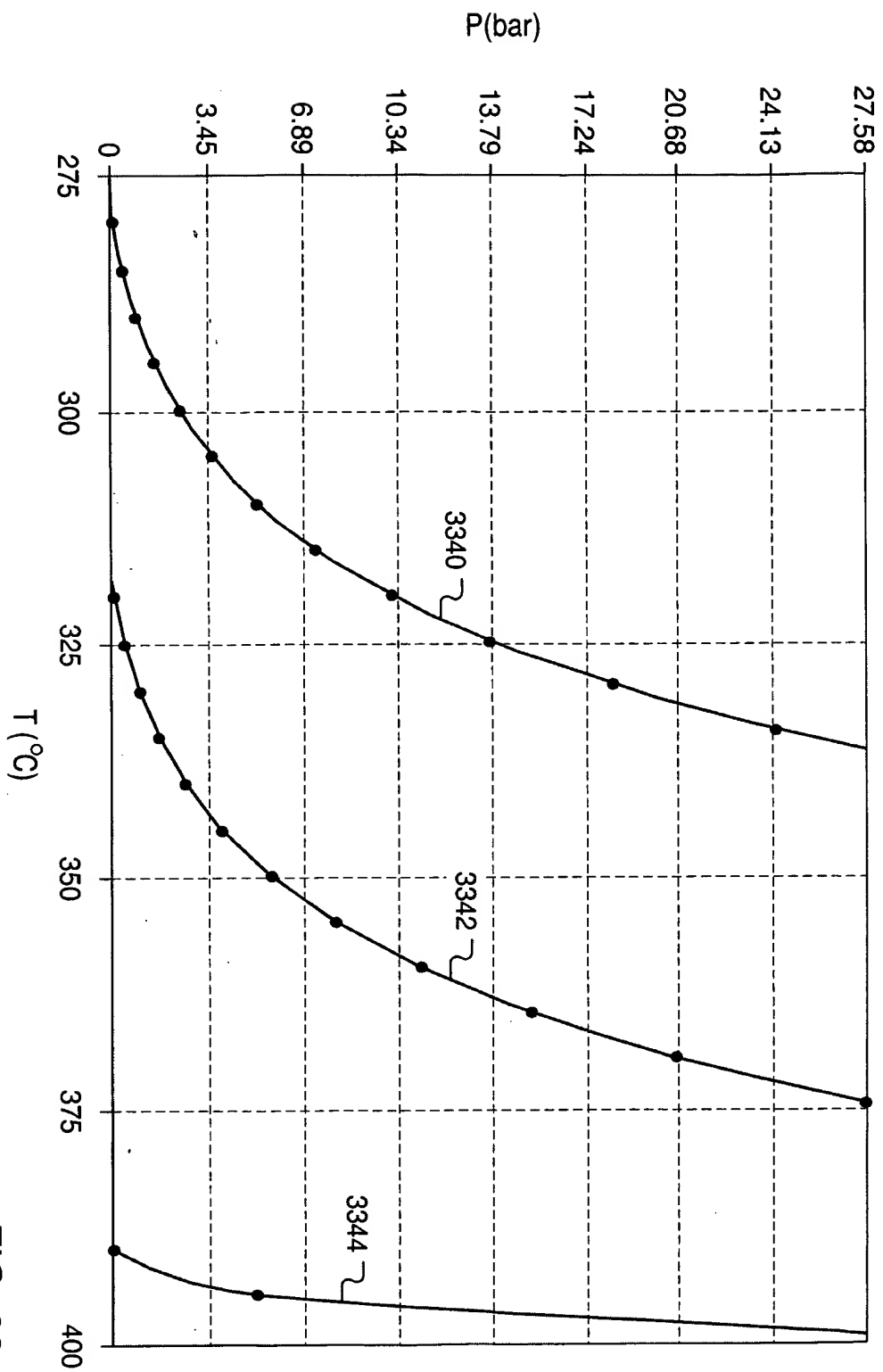


FIG. 93

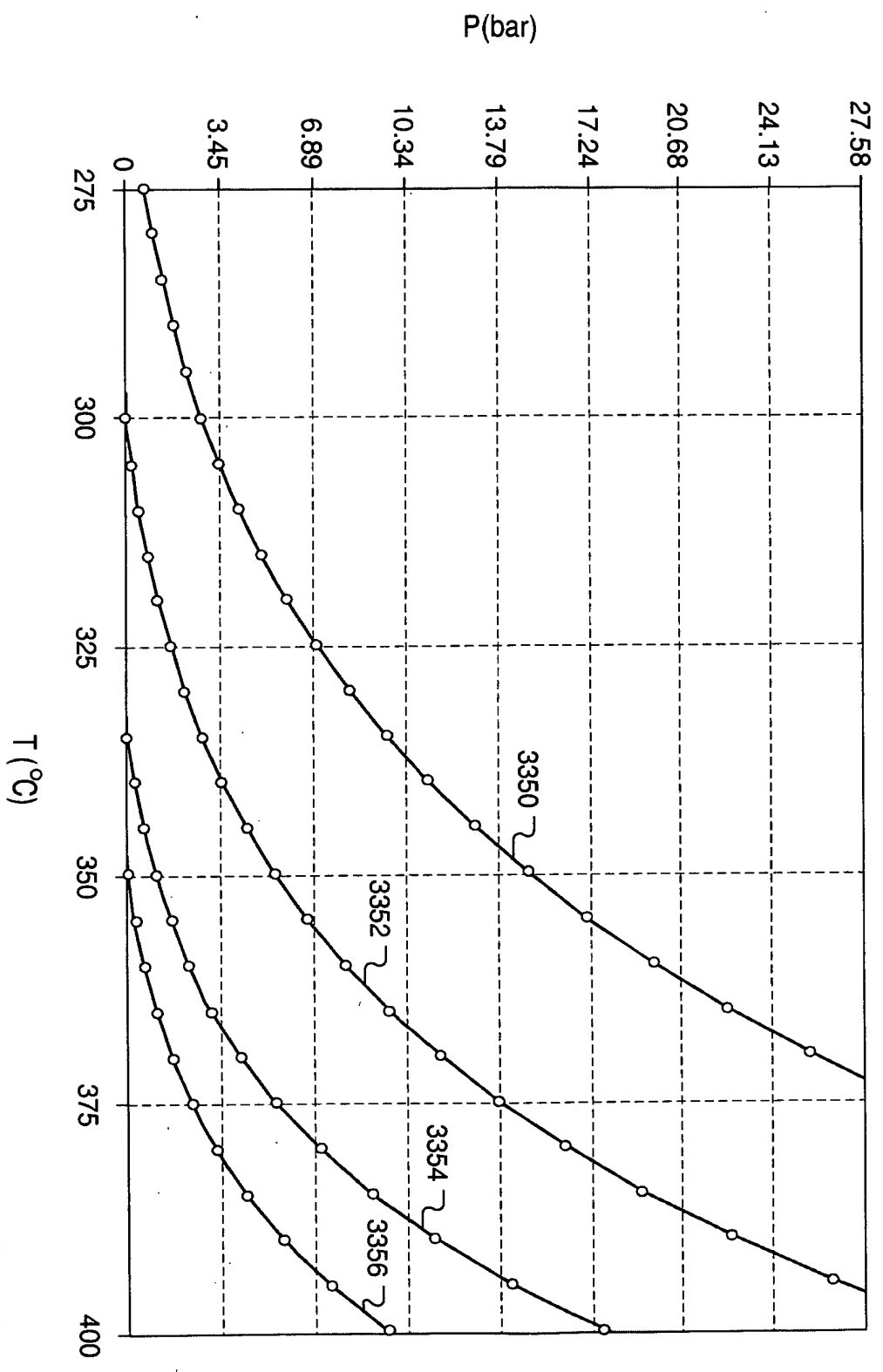


FIG. 94

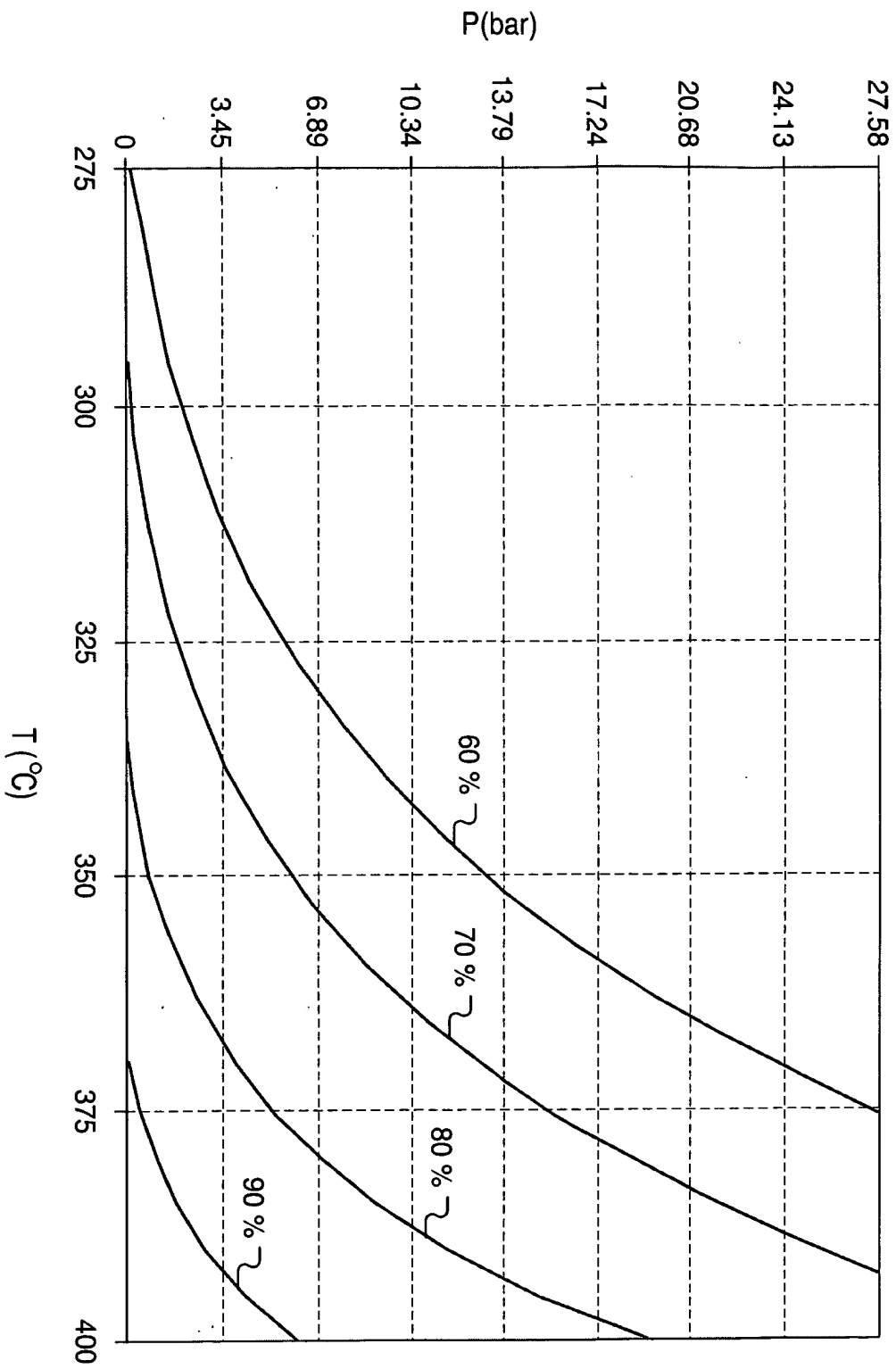


FIG. 95

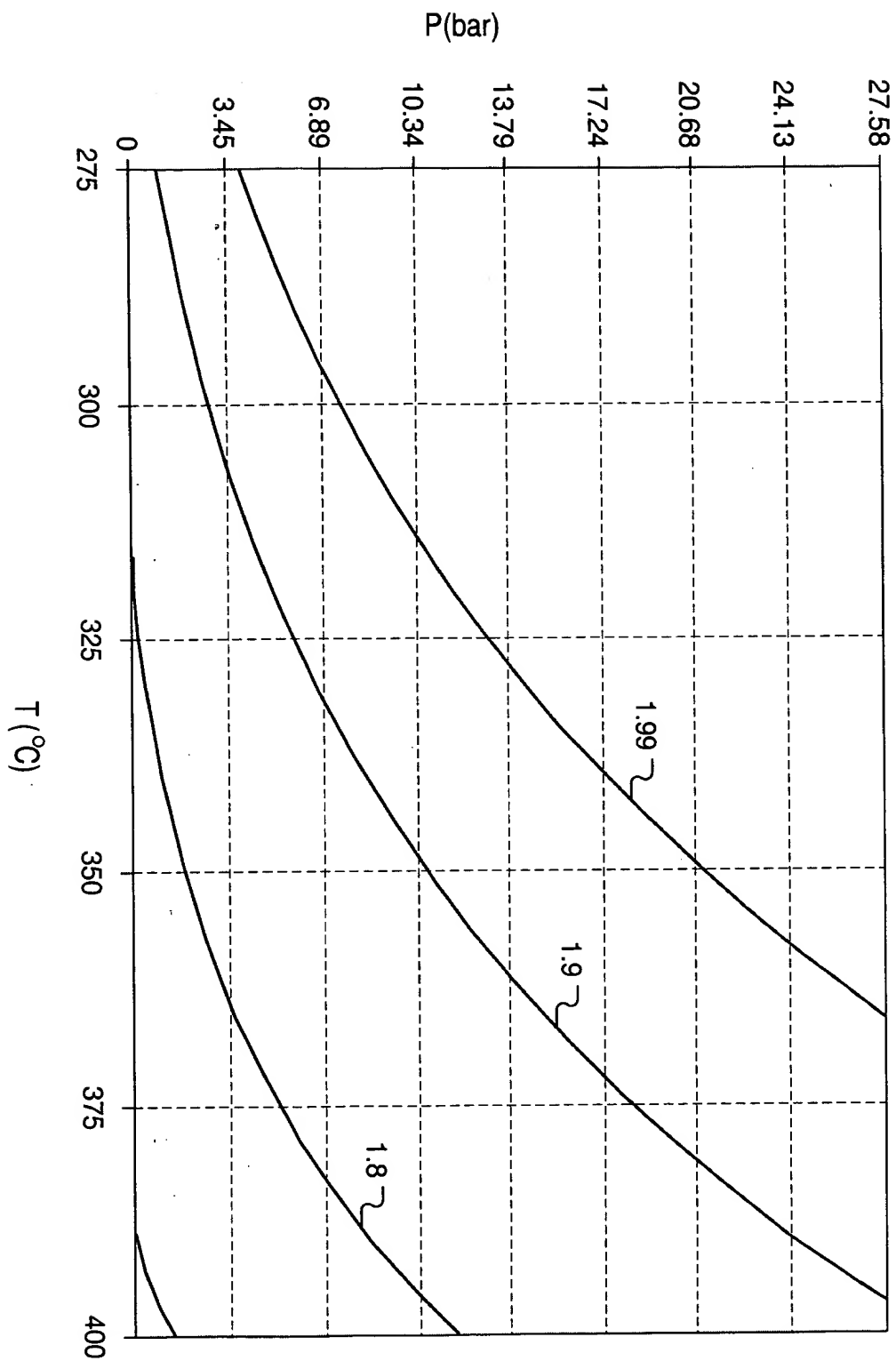


FIG. 96

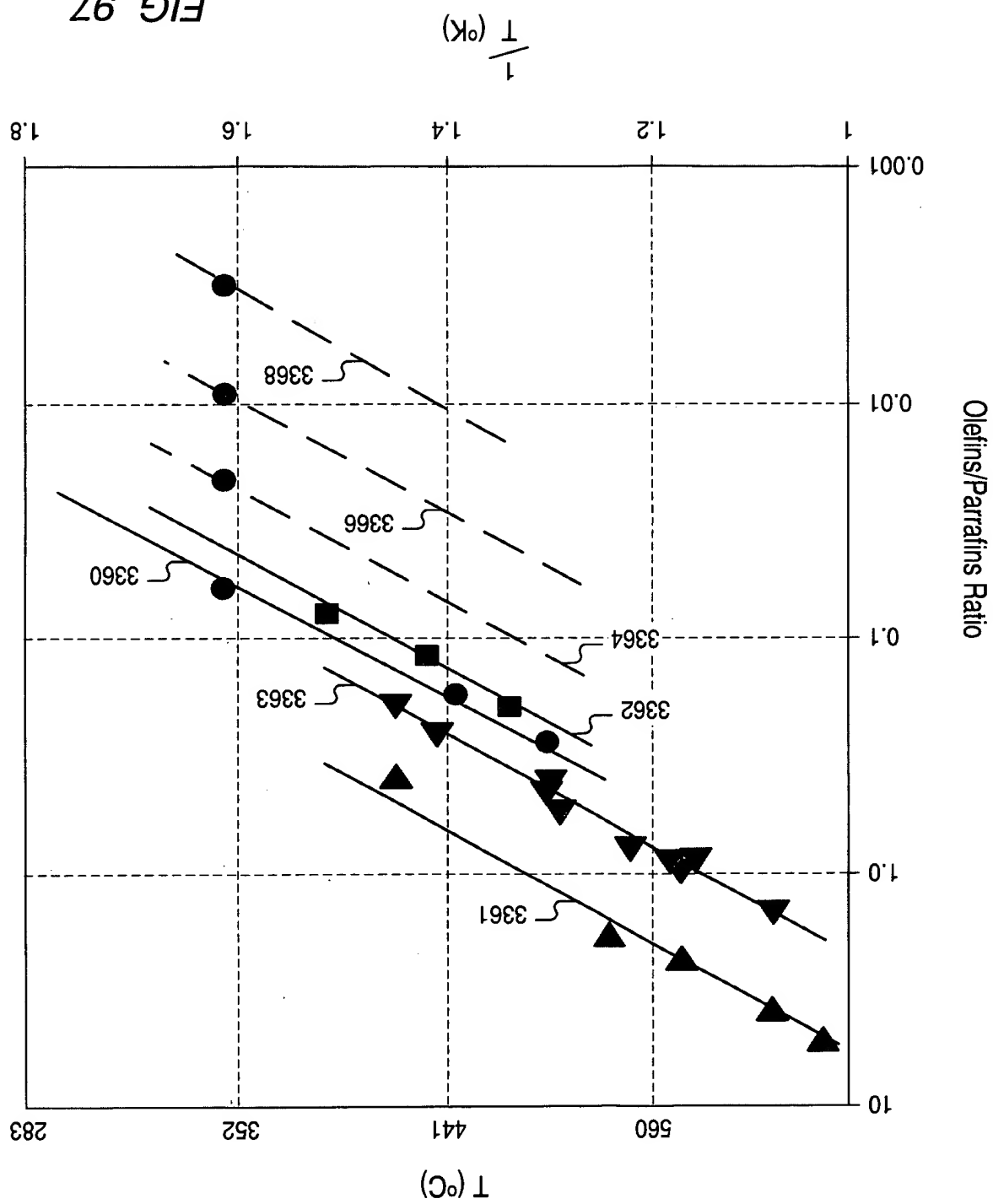


FIG. 97



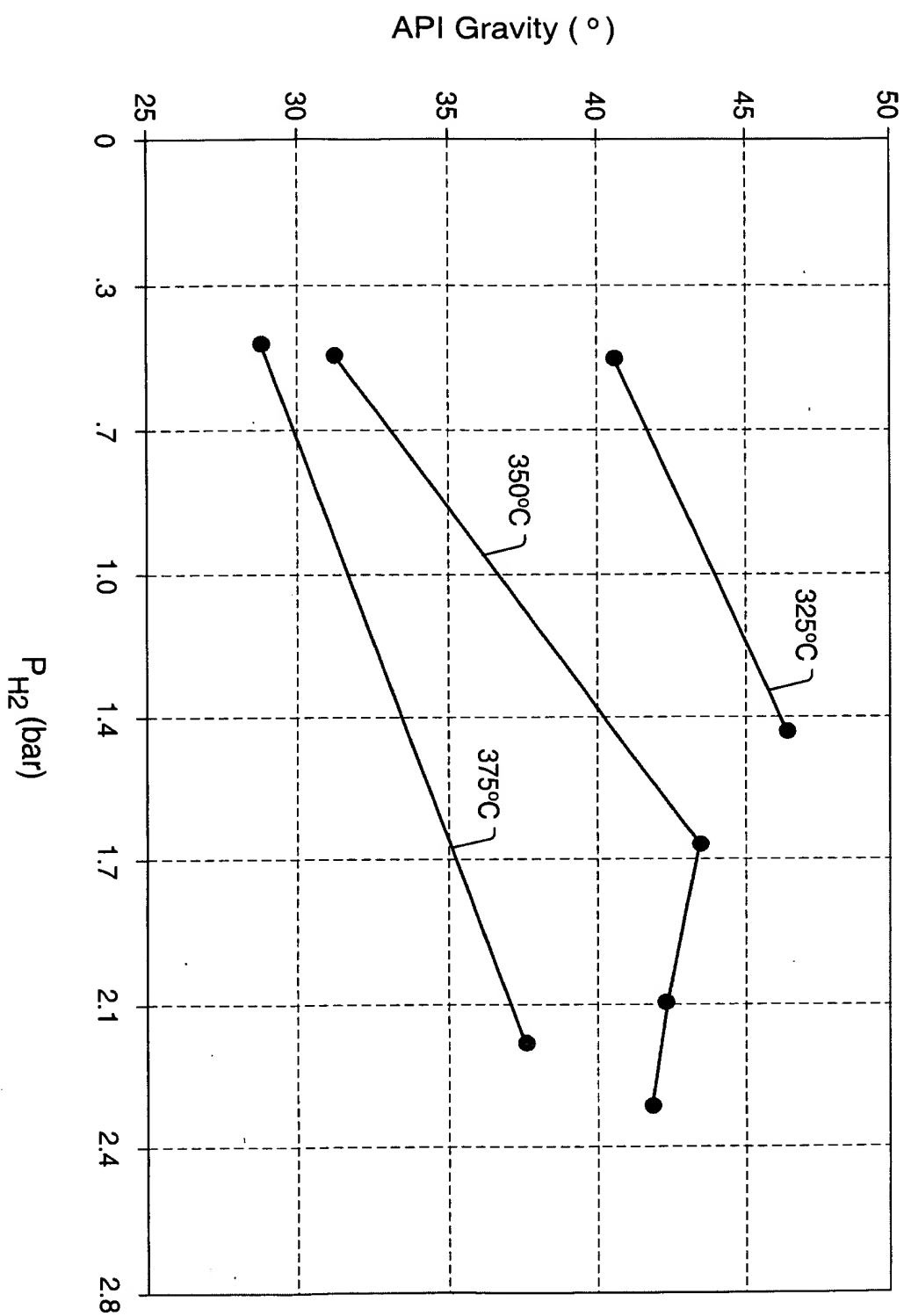


FIG. 98

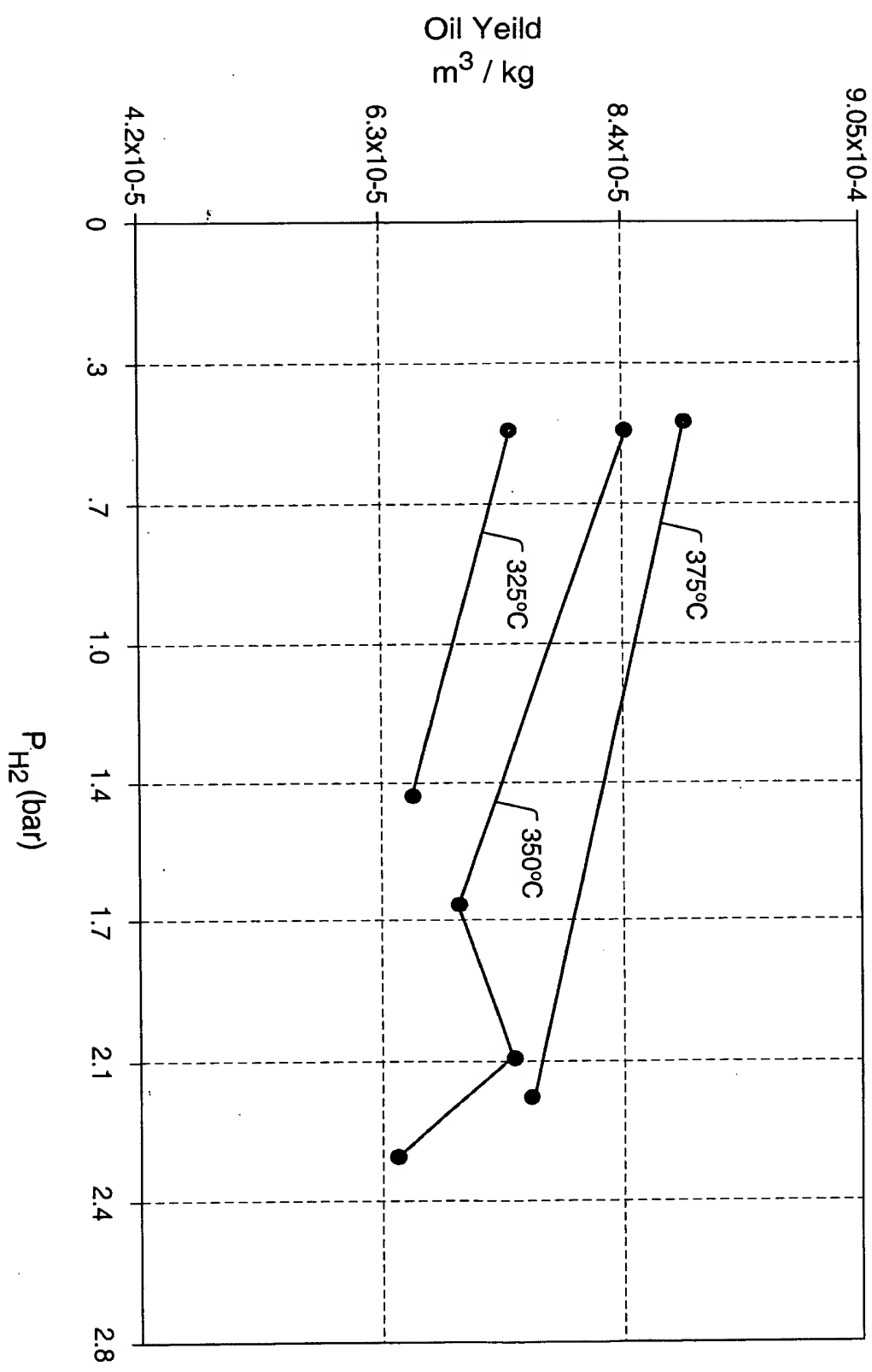


FIG. 99

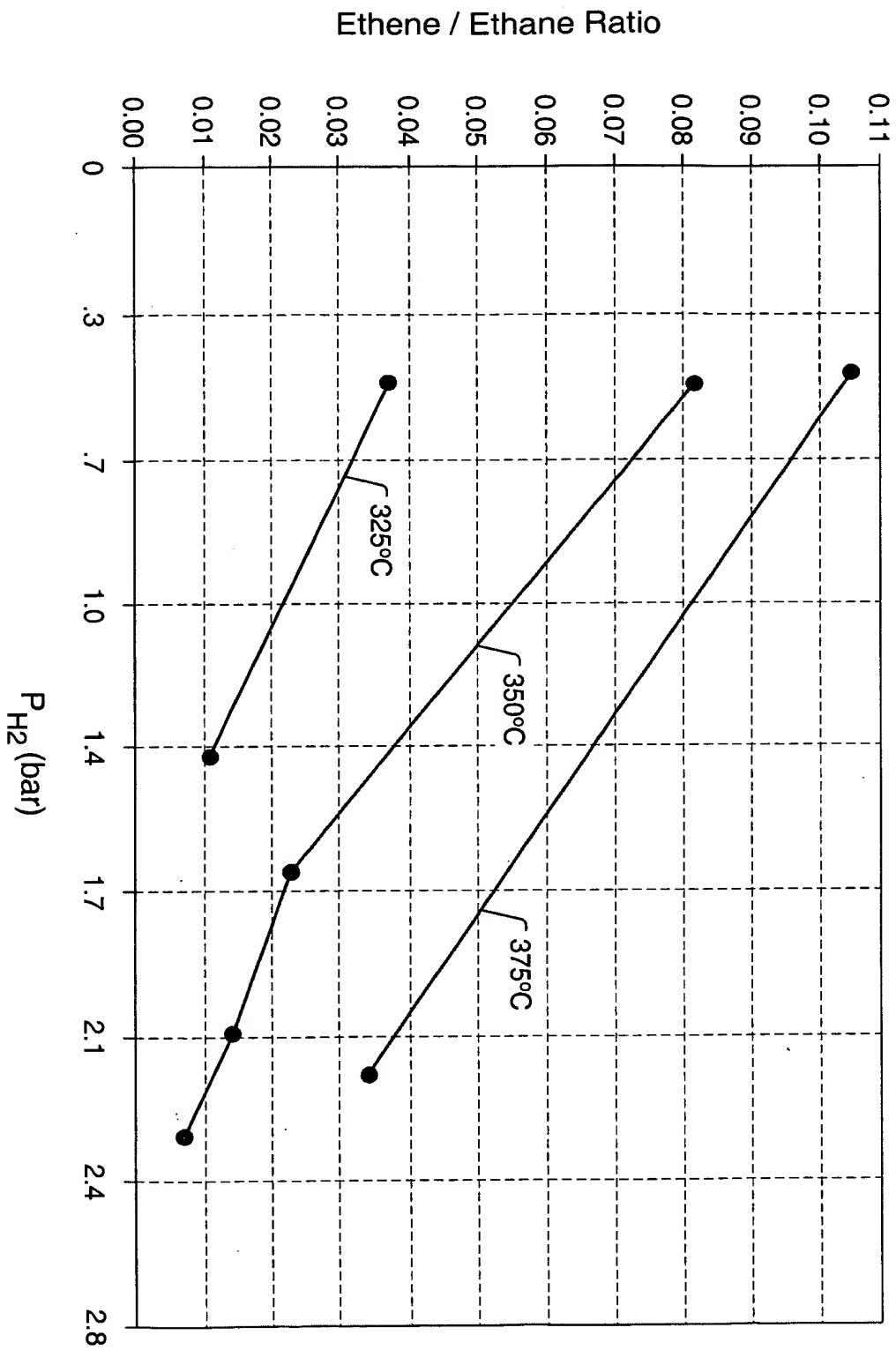


FIG. 100

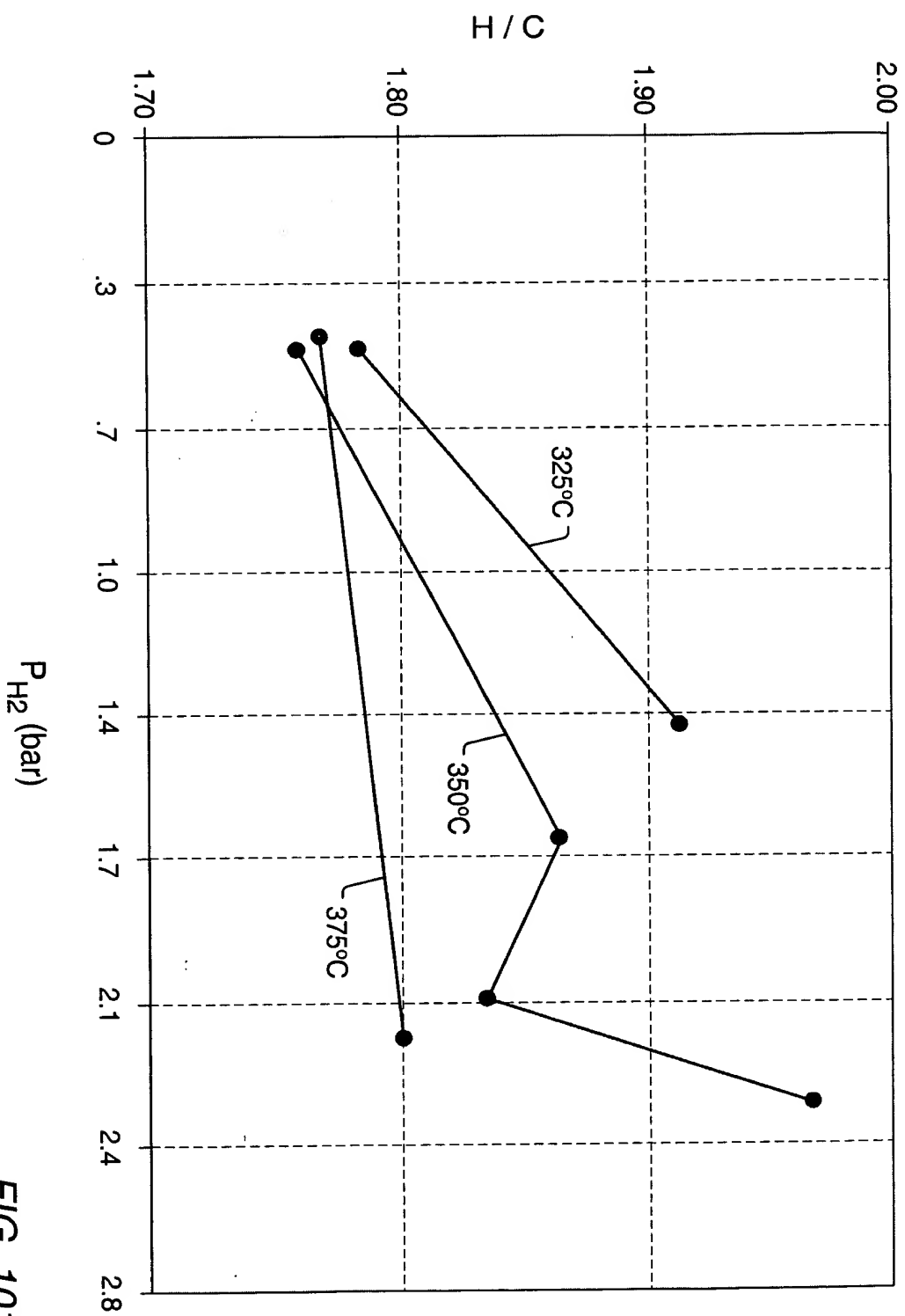


FIG. 101

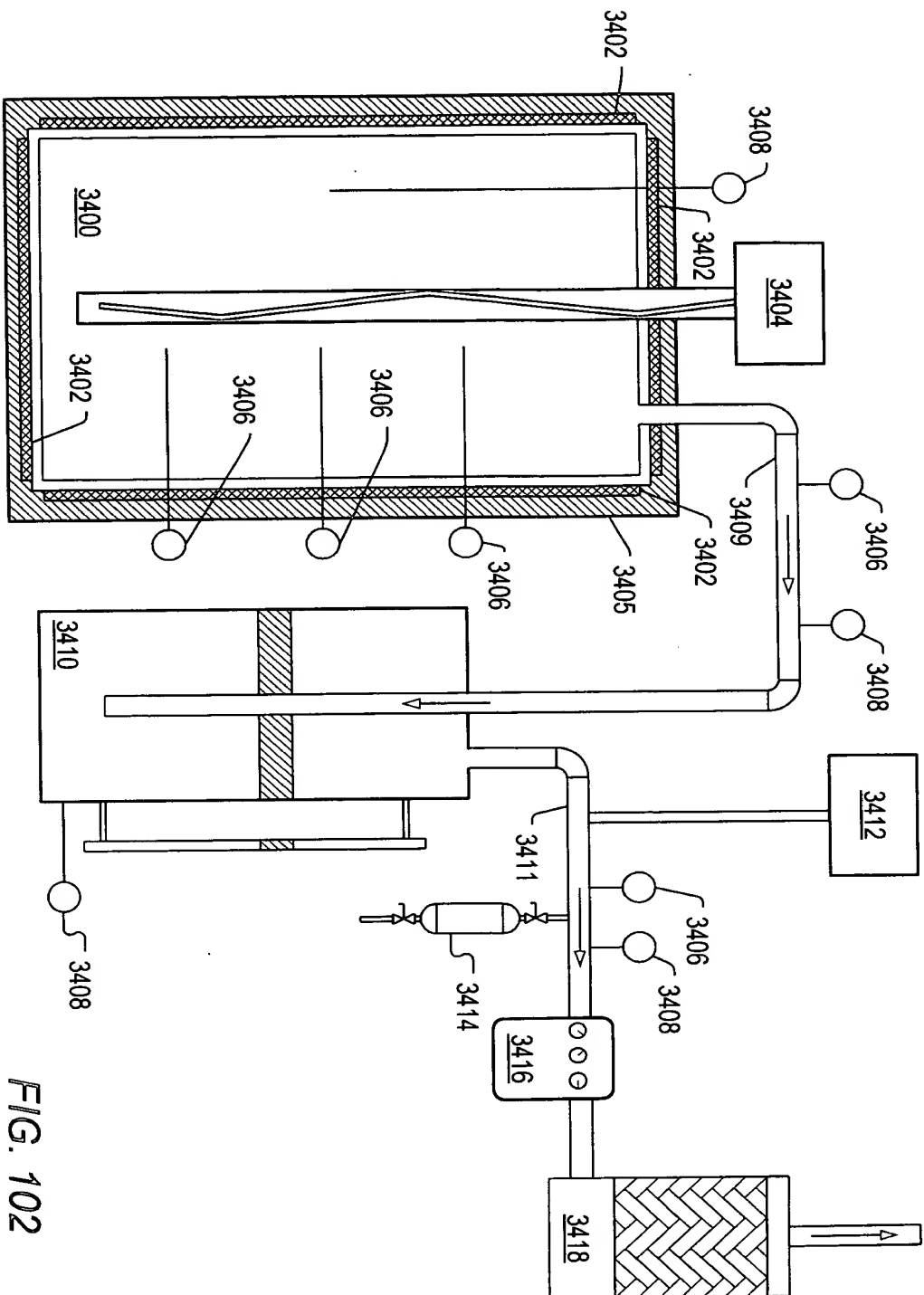


FIG. 102

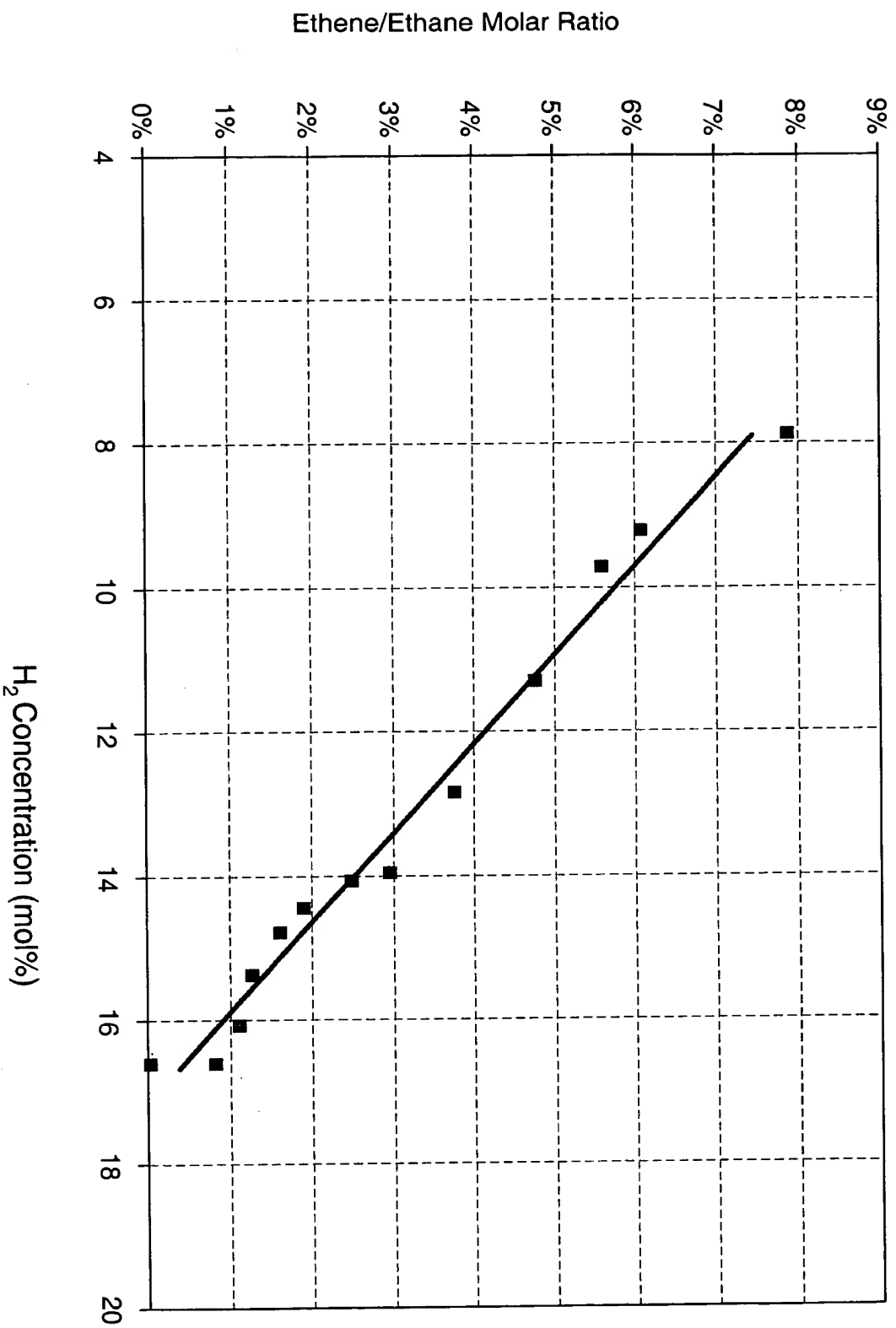
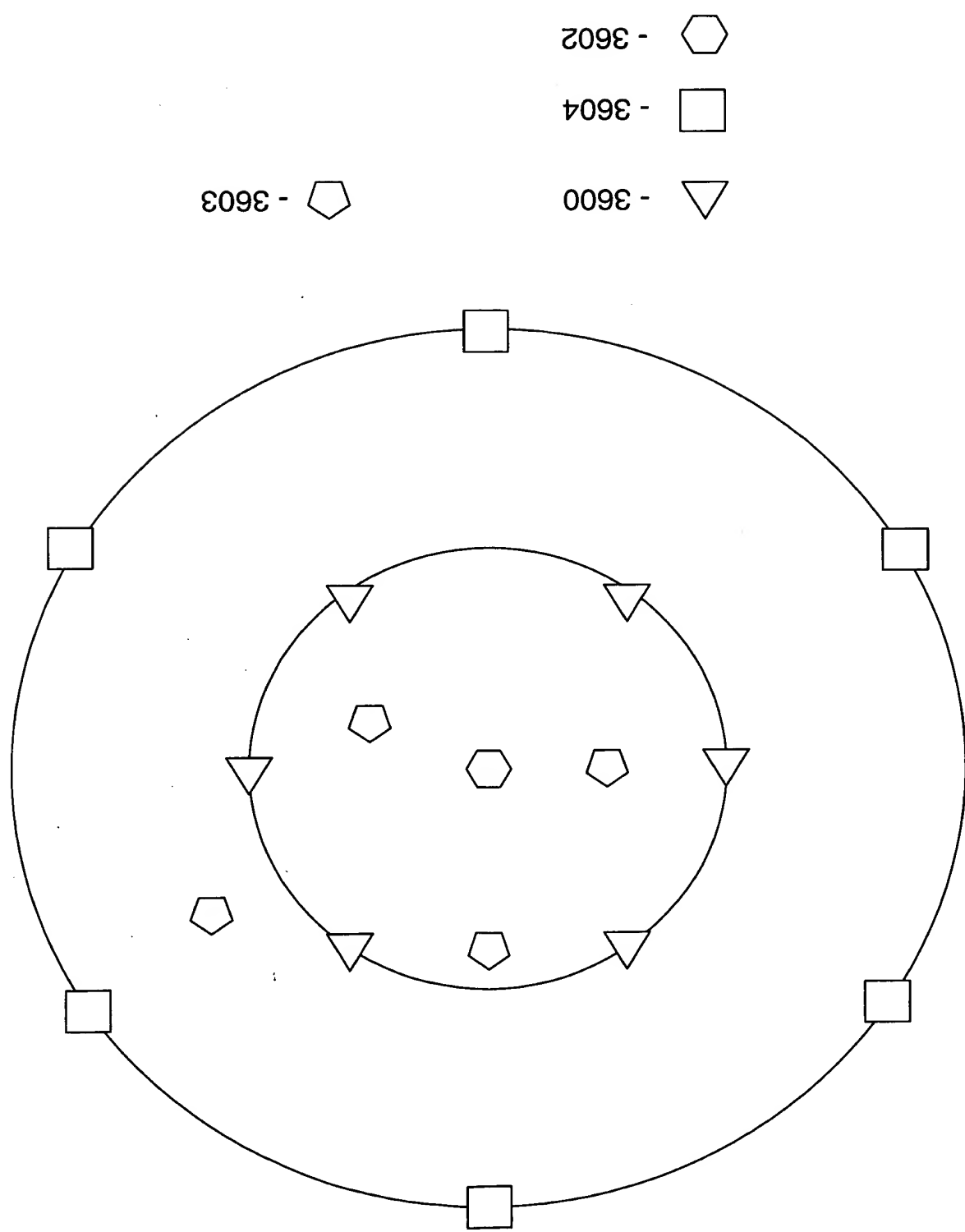


FIG. 103



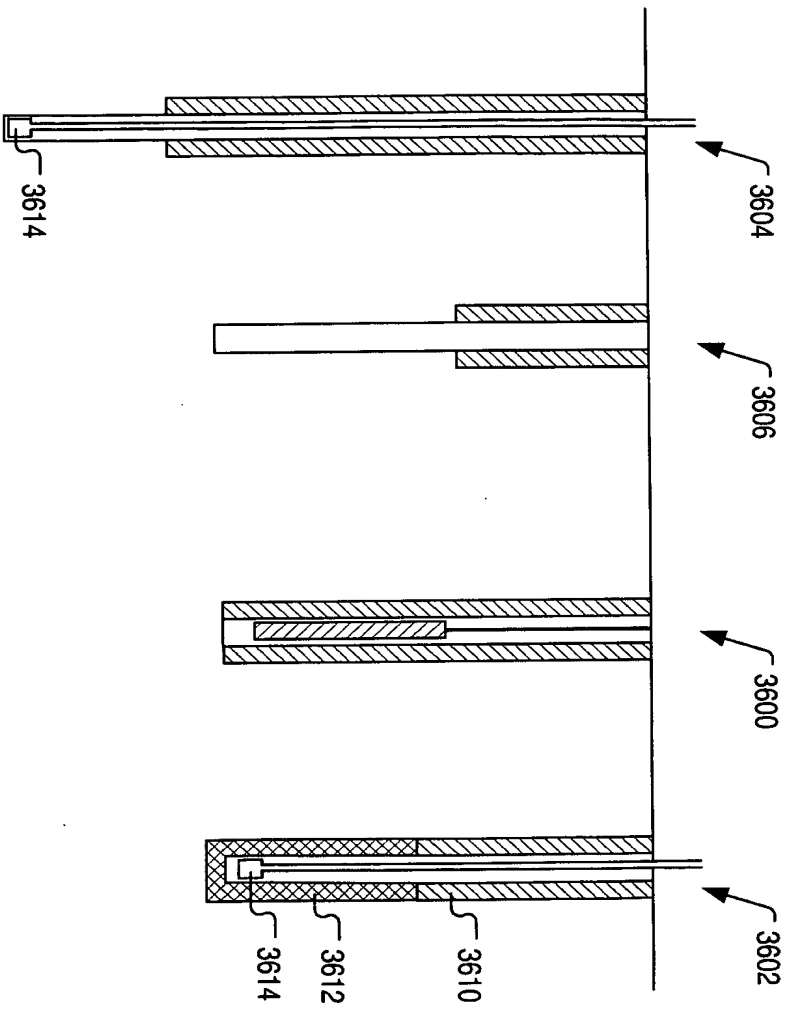


FIG. 105



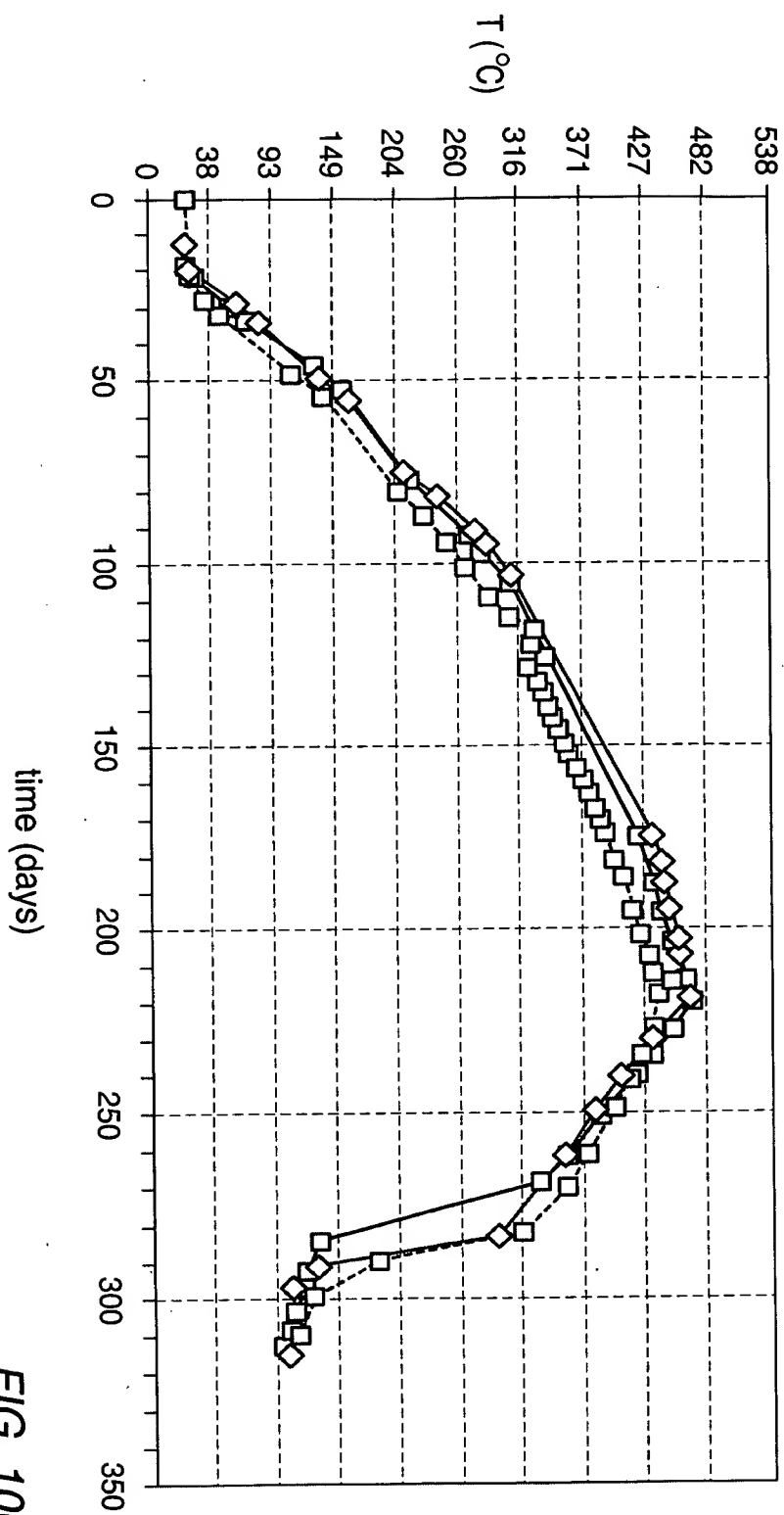


FIG. 106

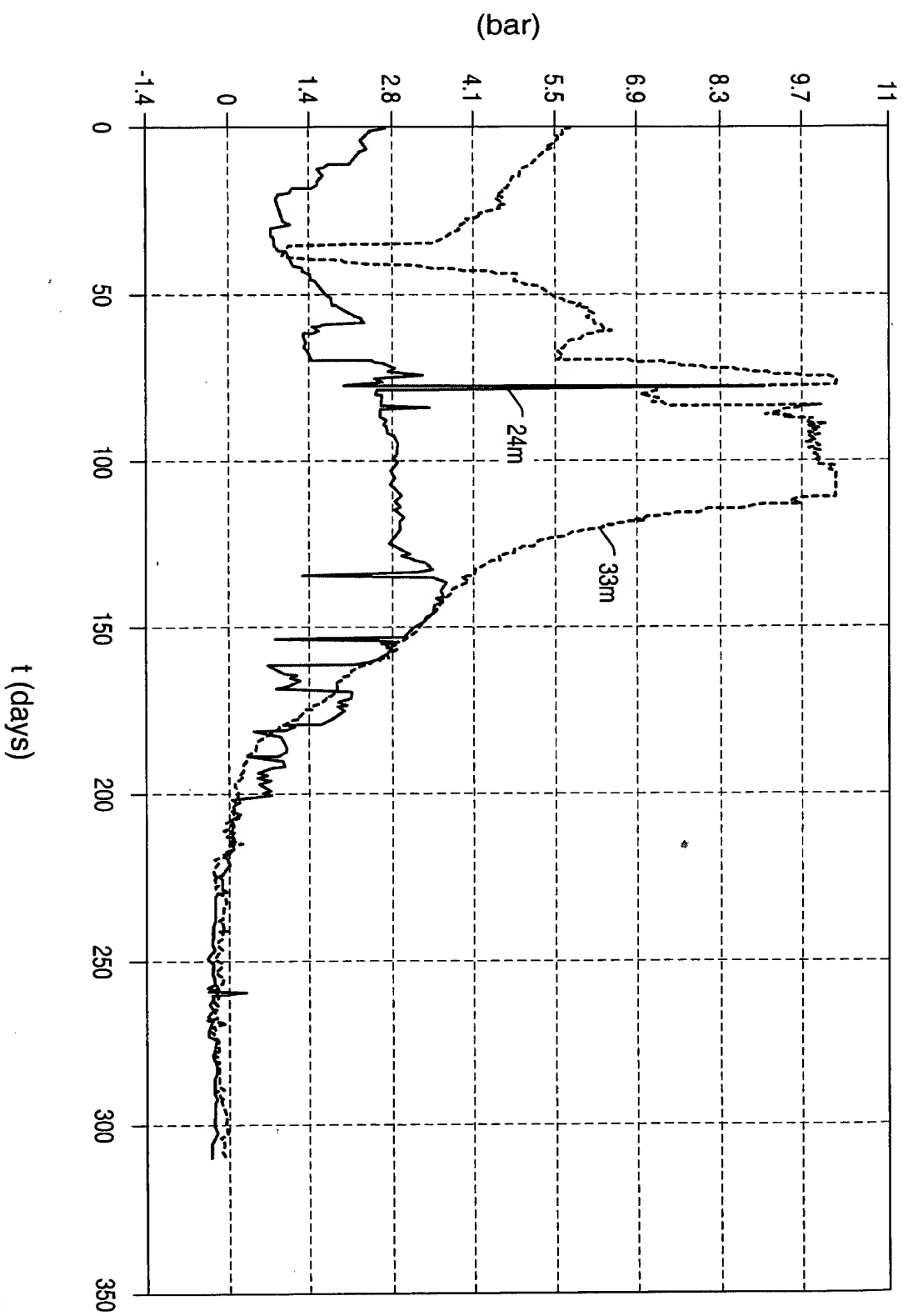


FIG. 107

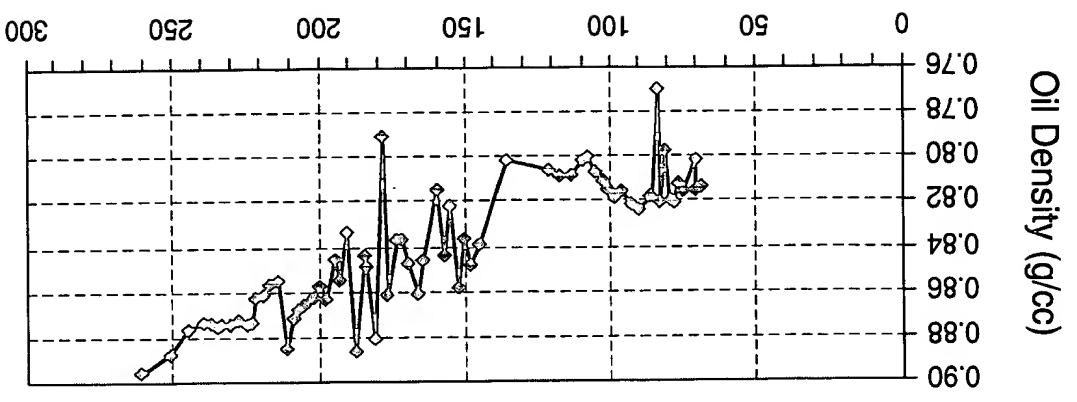


FIG. 110

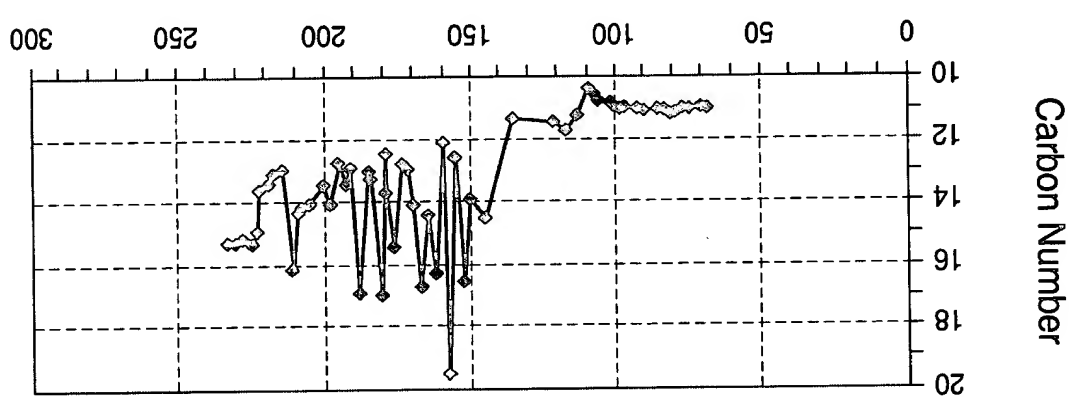


FIG. 109

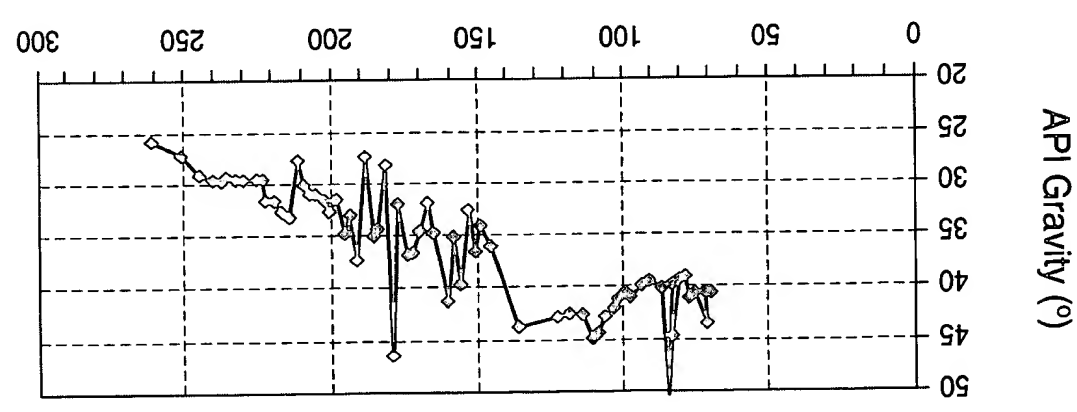


FIG. 108

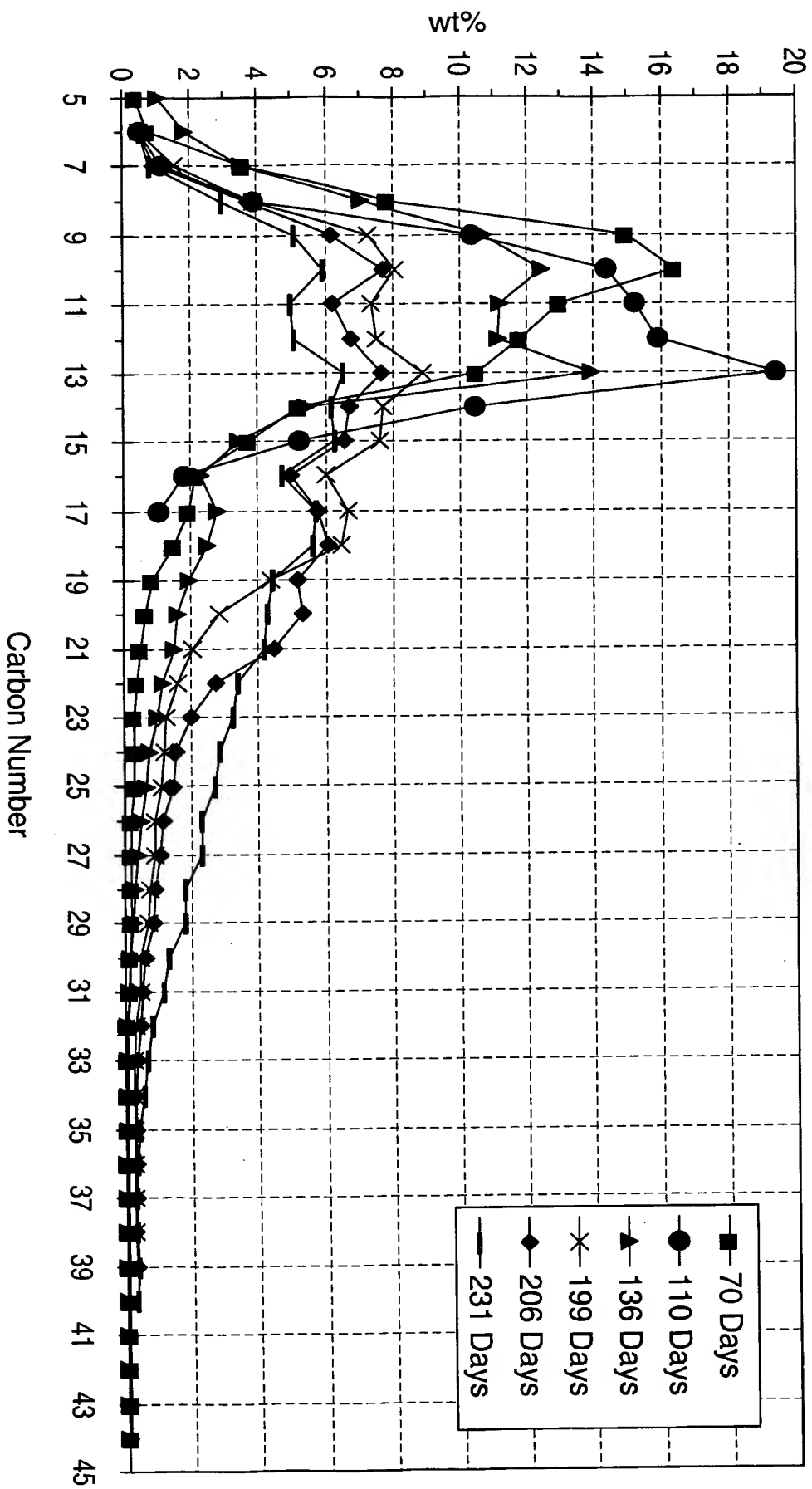


FIG. 111

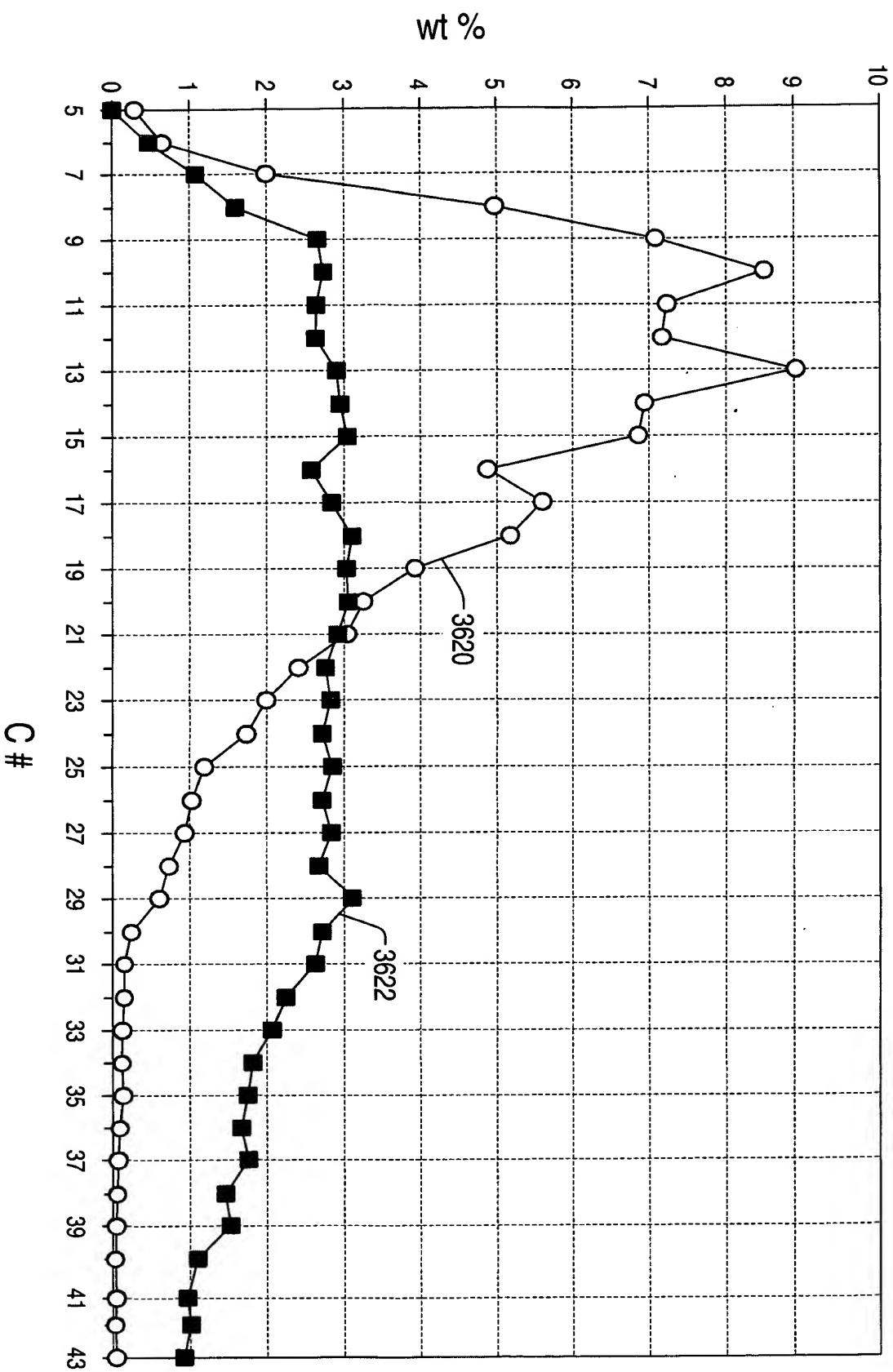
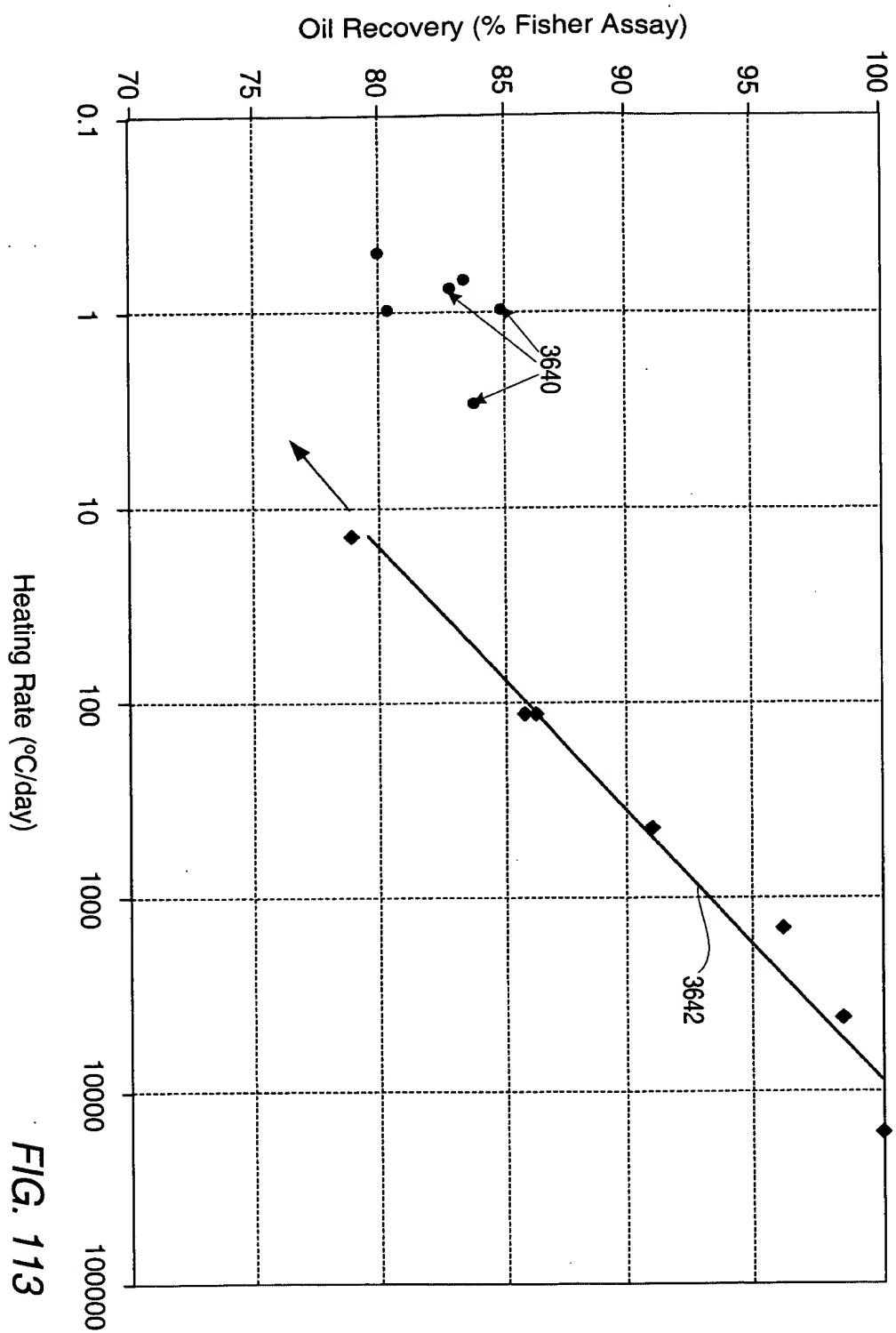


FIG. 112



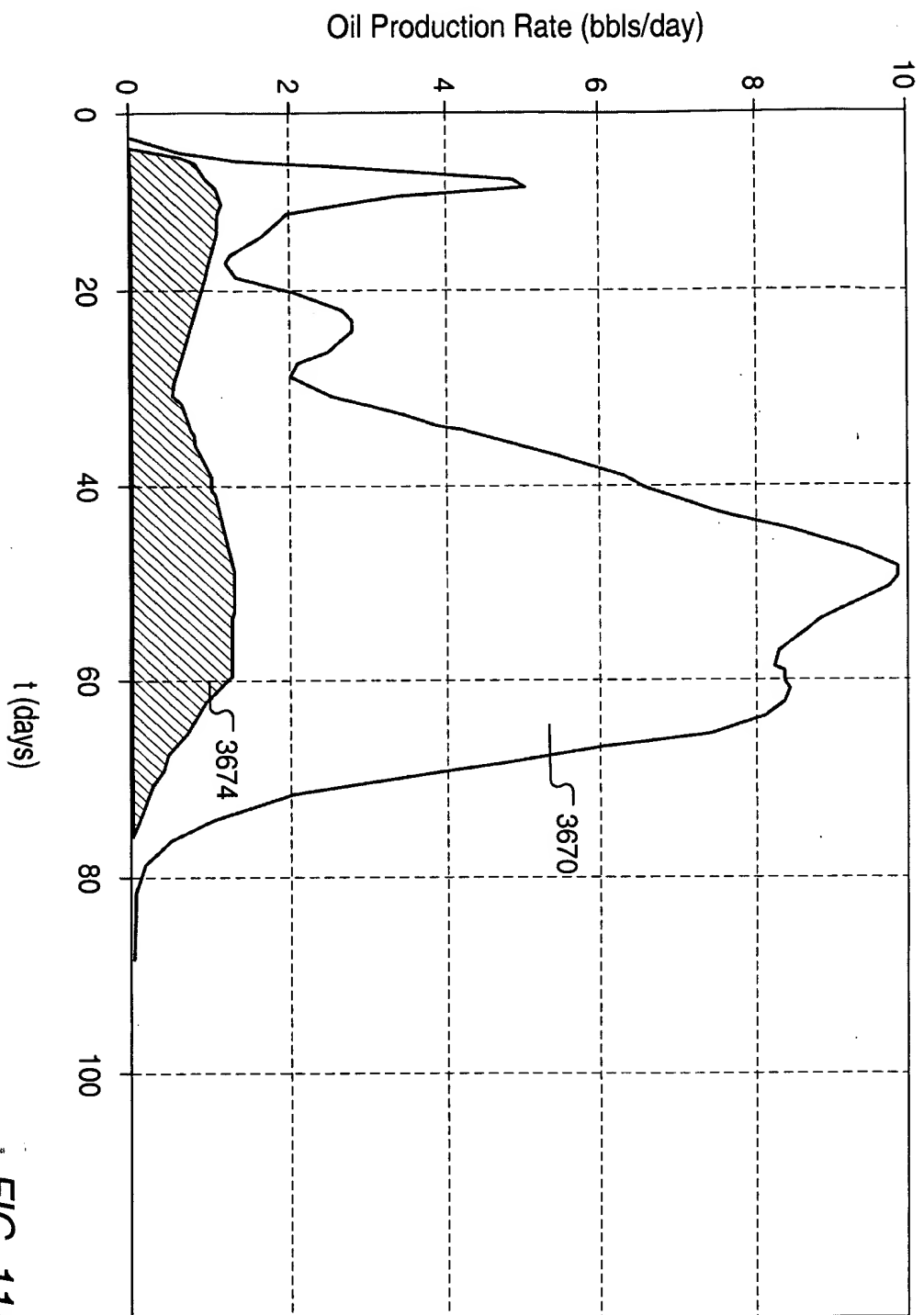


FIG. 114

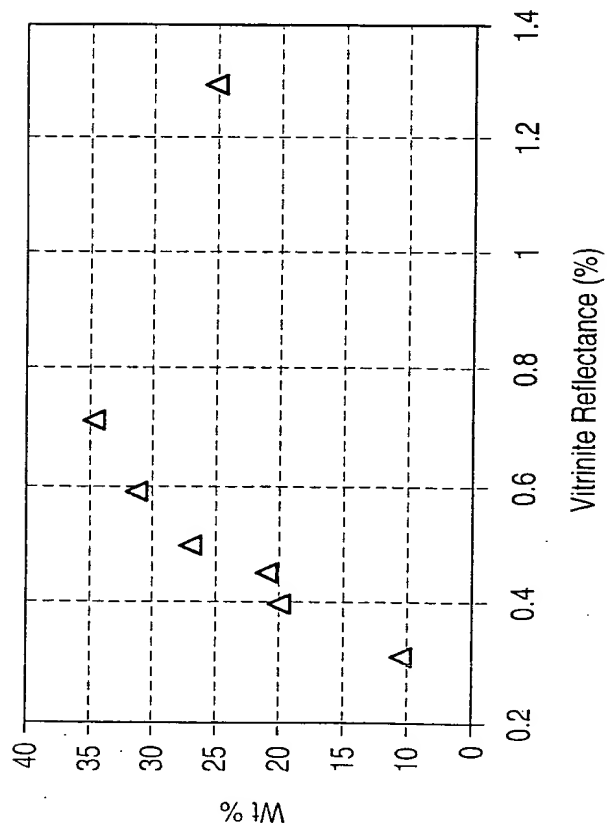


FIG. 115

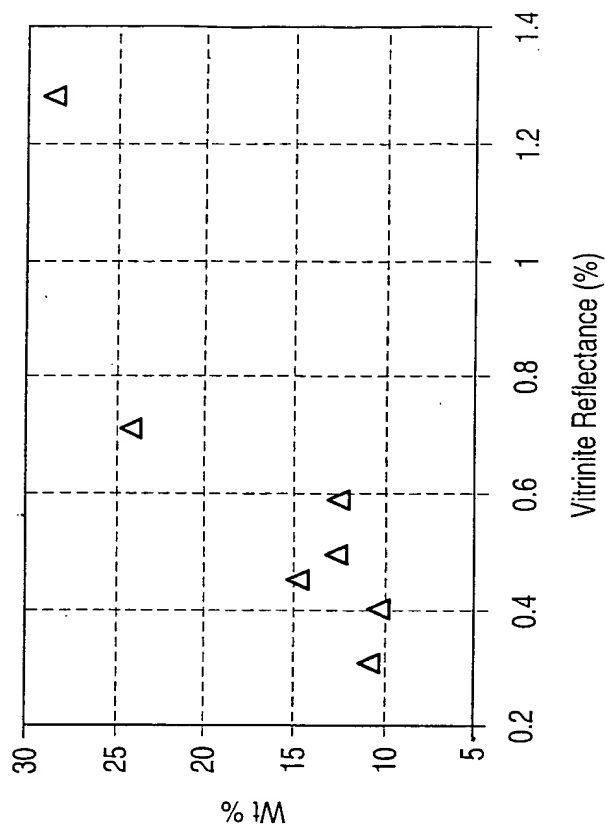


FIG. 116

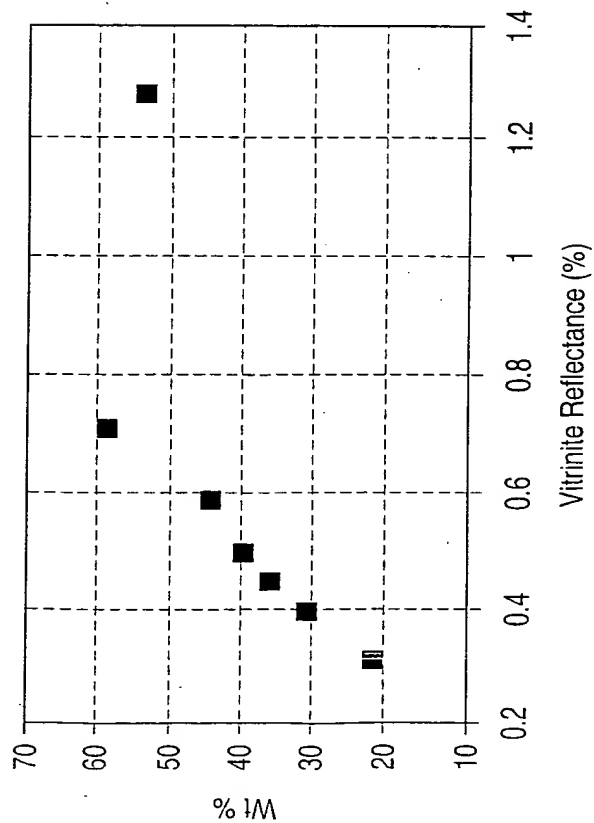
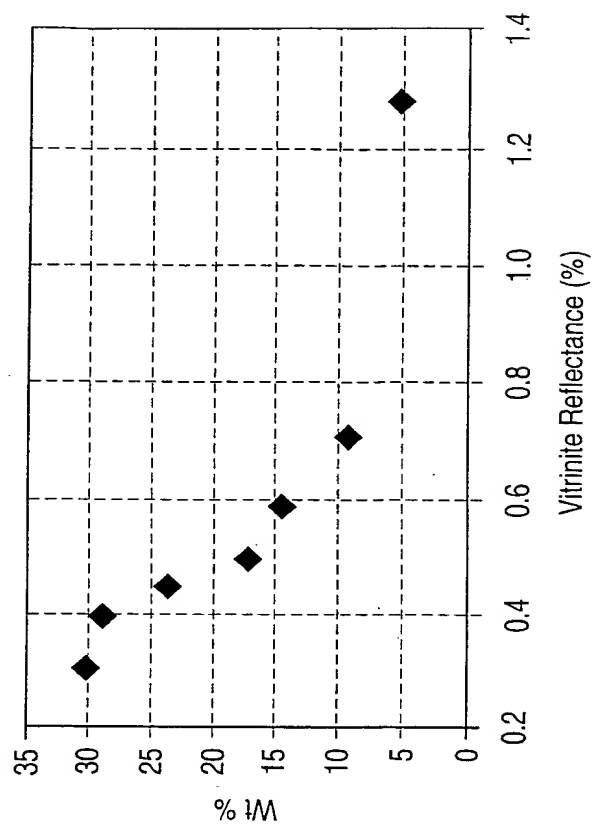


FIG. 117





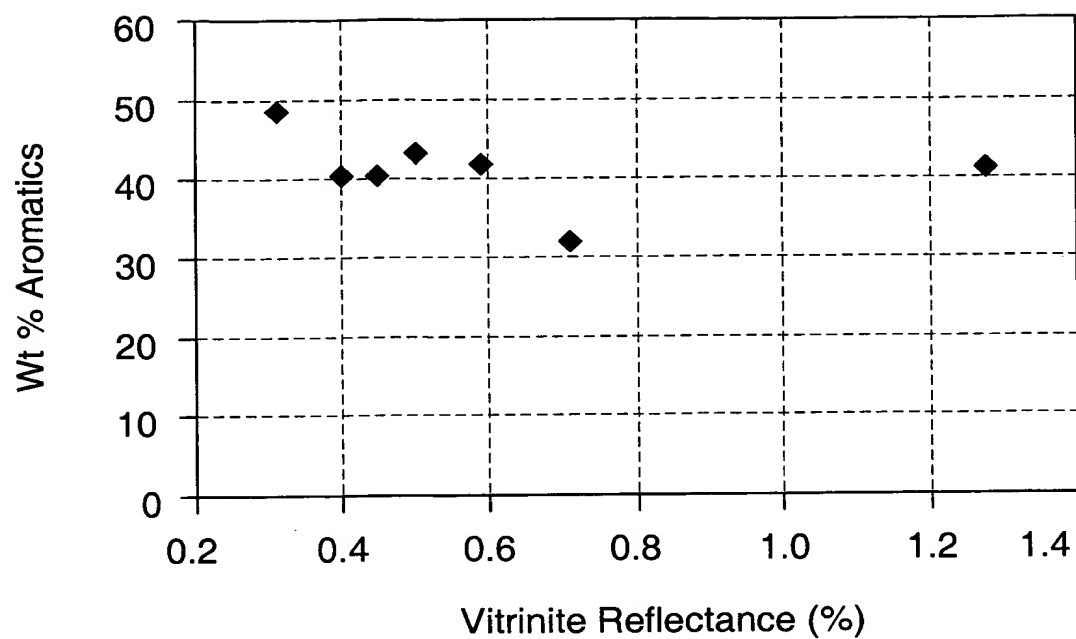


FIG. 119

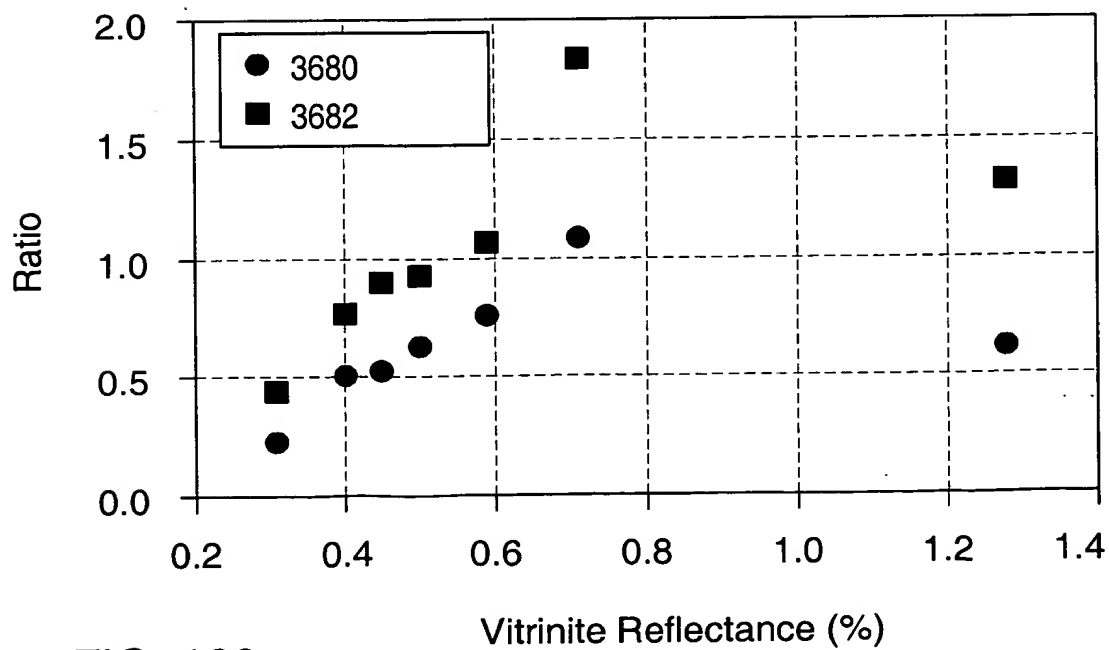


FIG. 120

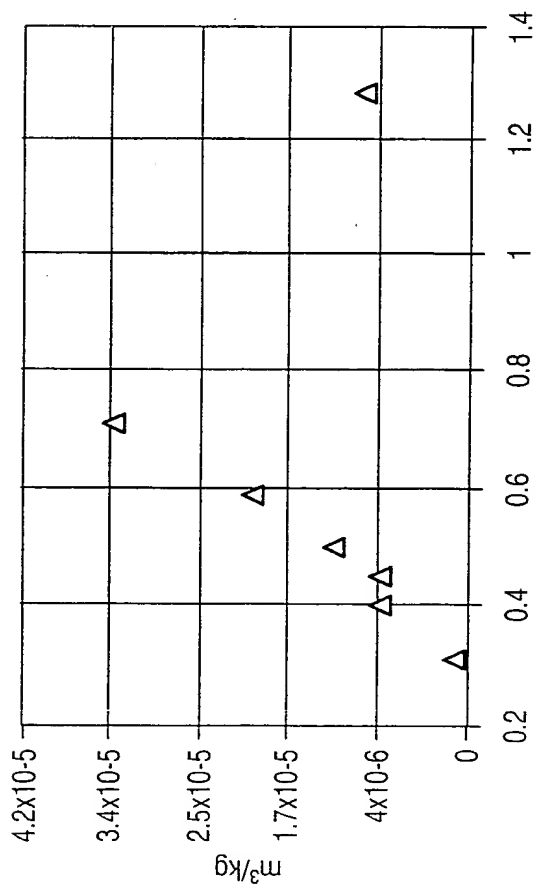


FIG. 121

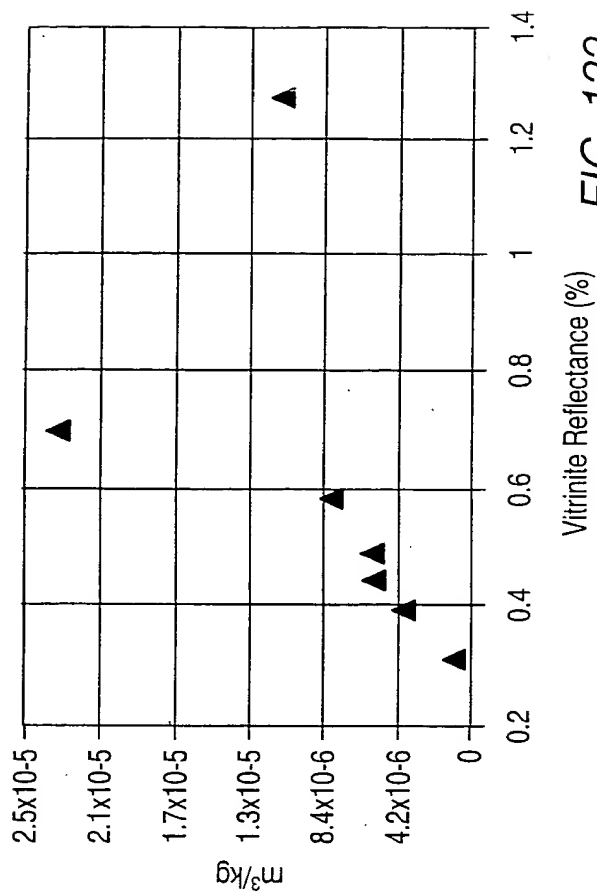


FIG. 122

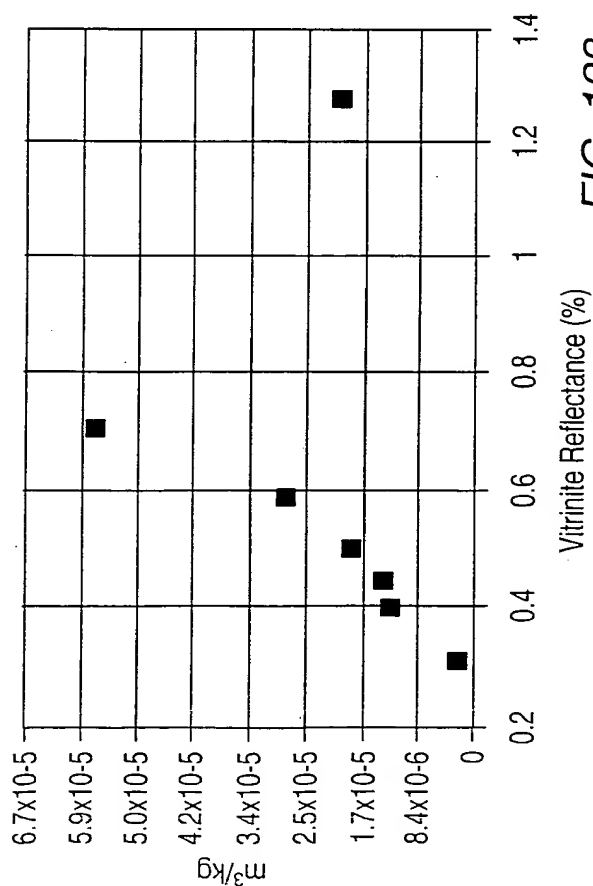


FIG. 123

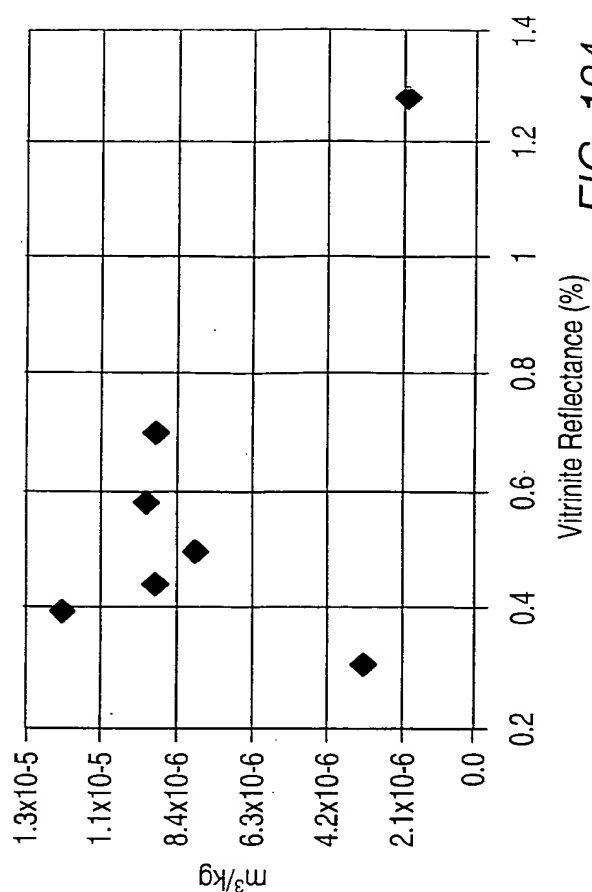


FIG. 124

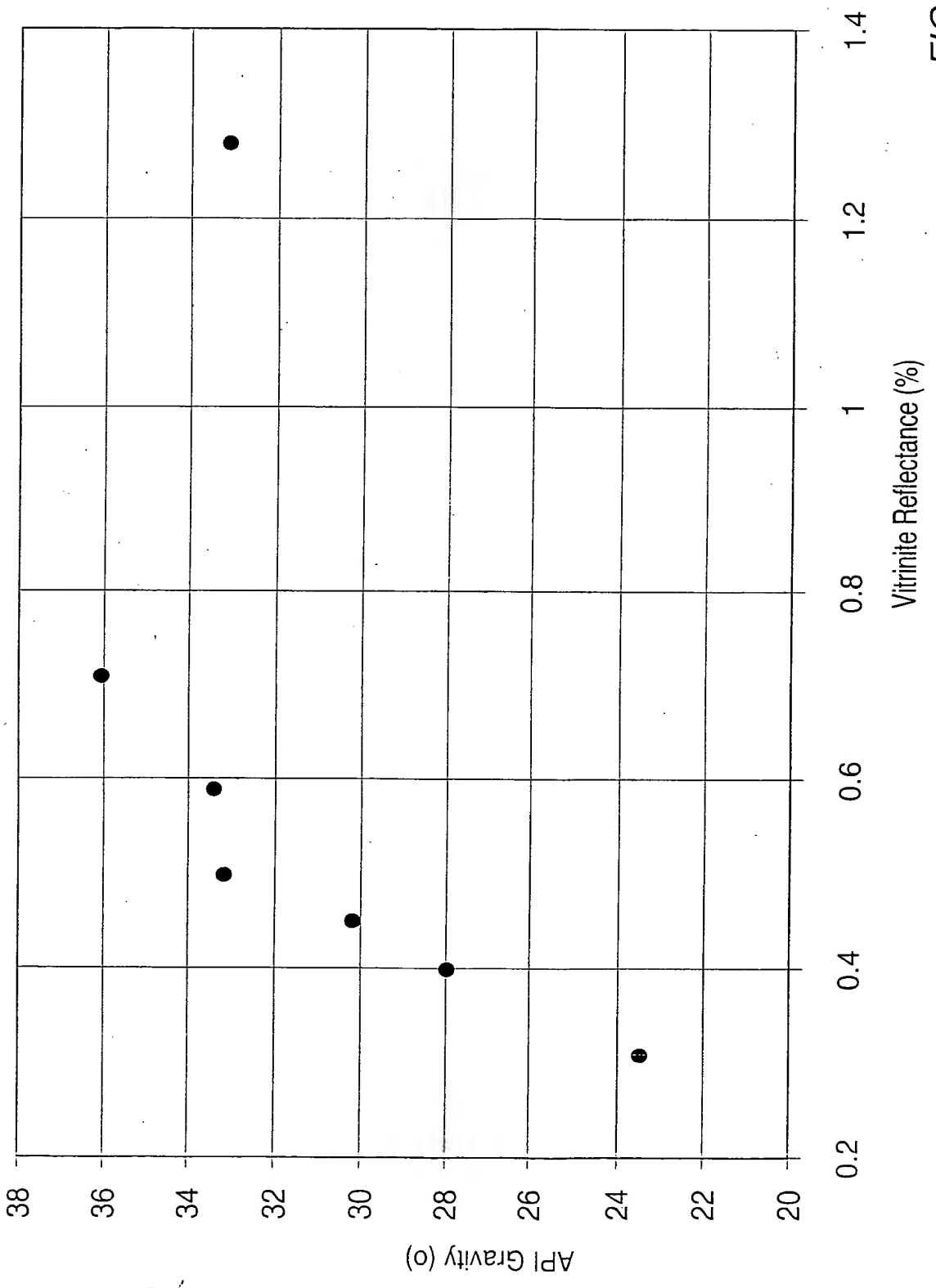
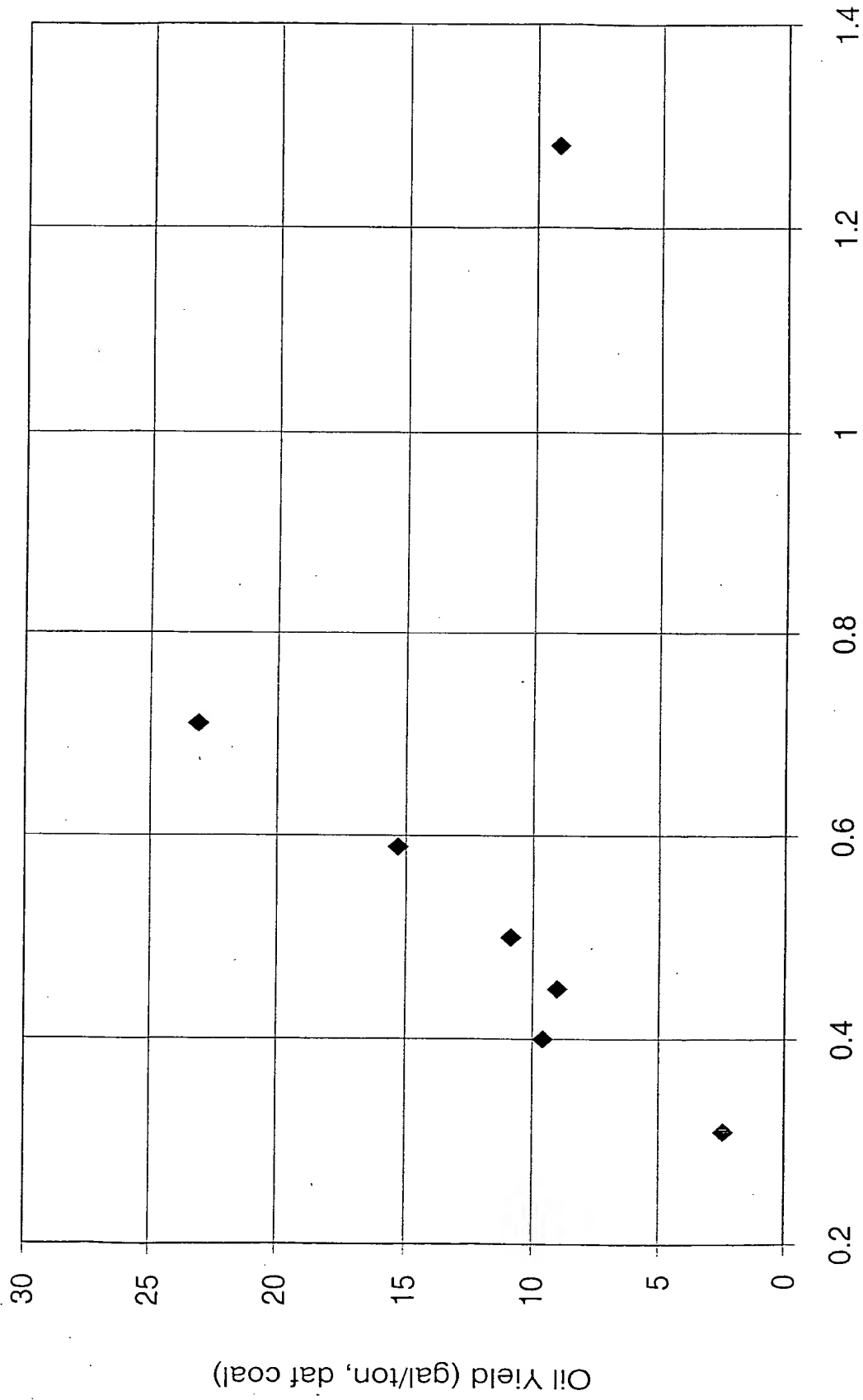


FIG. 125



Vitrinite Reflectance (%)

FIG. 126

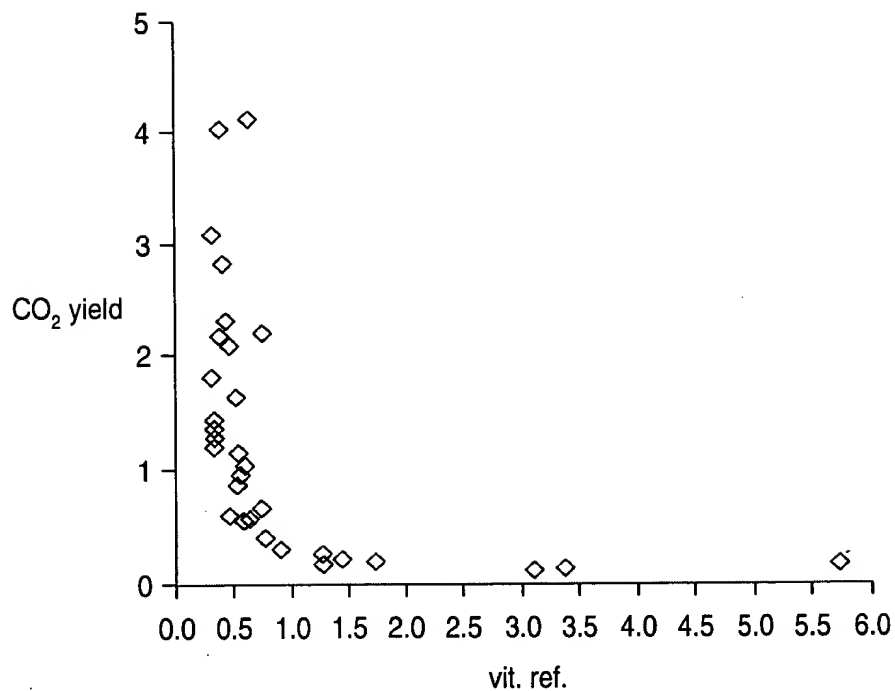


FIG. 127

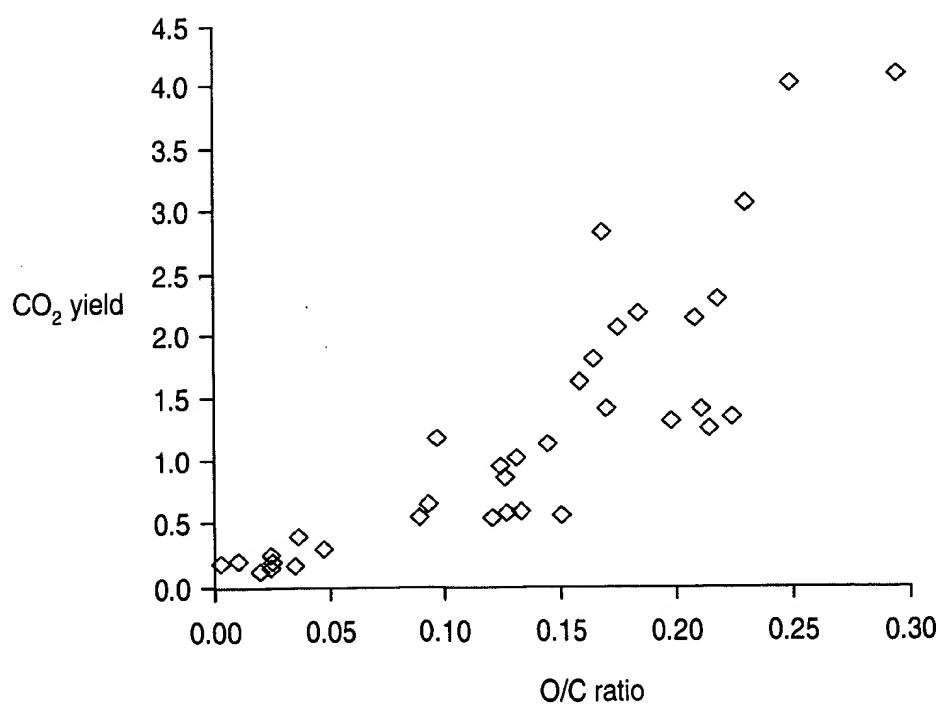


FIG. 128

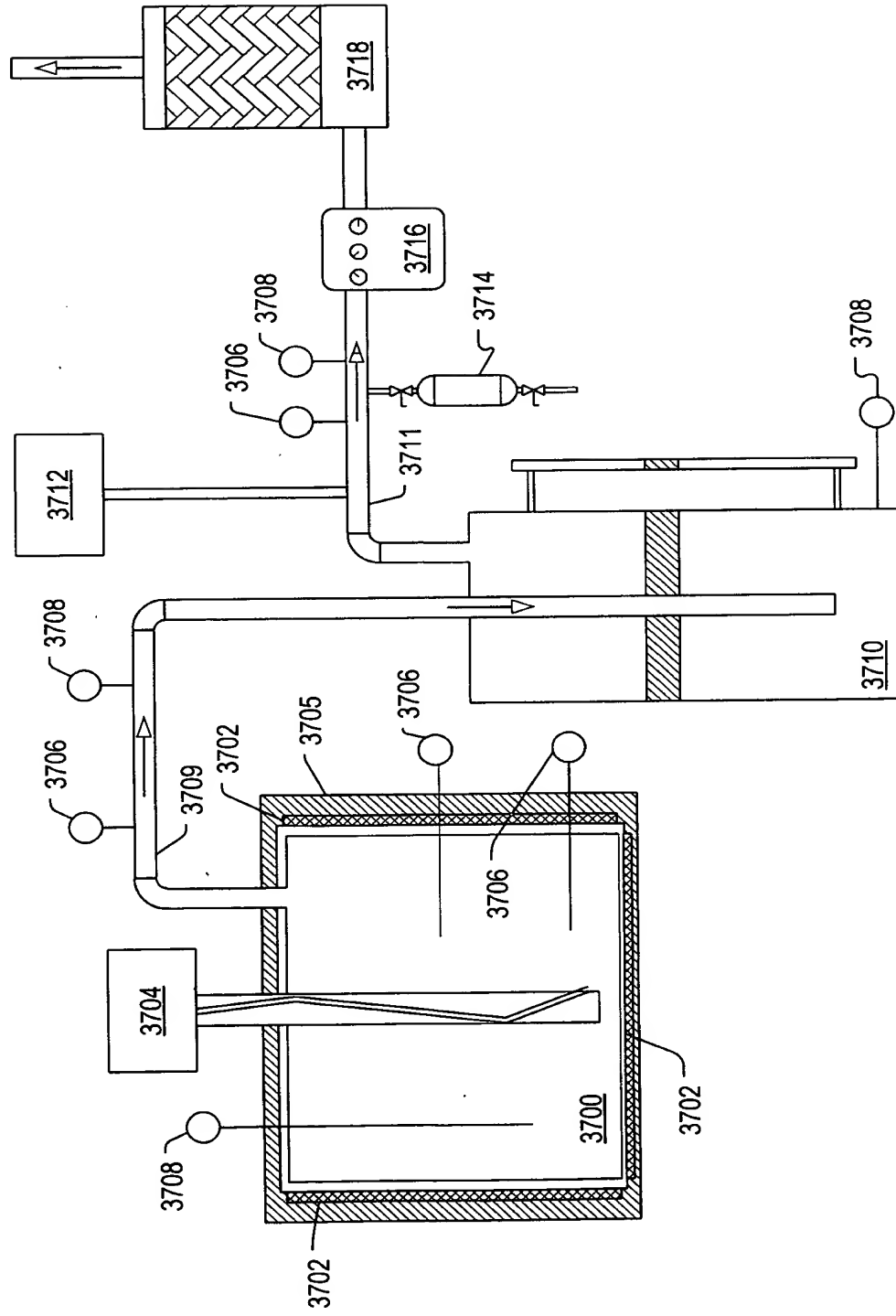


FIG. 129

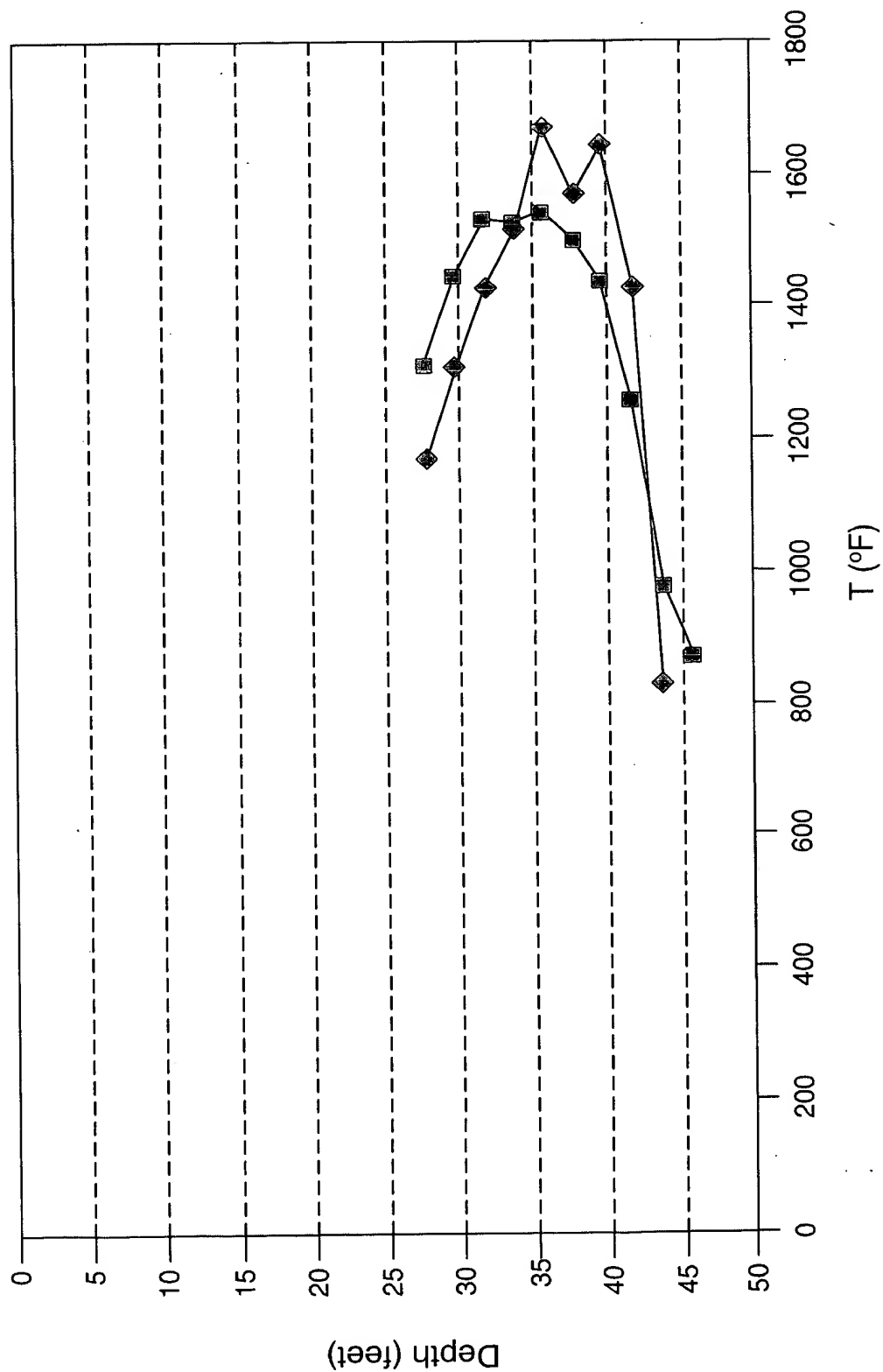
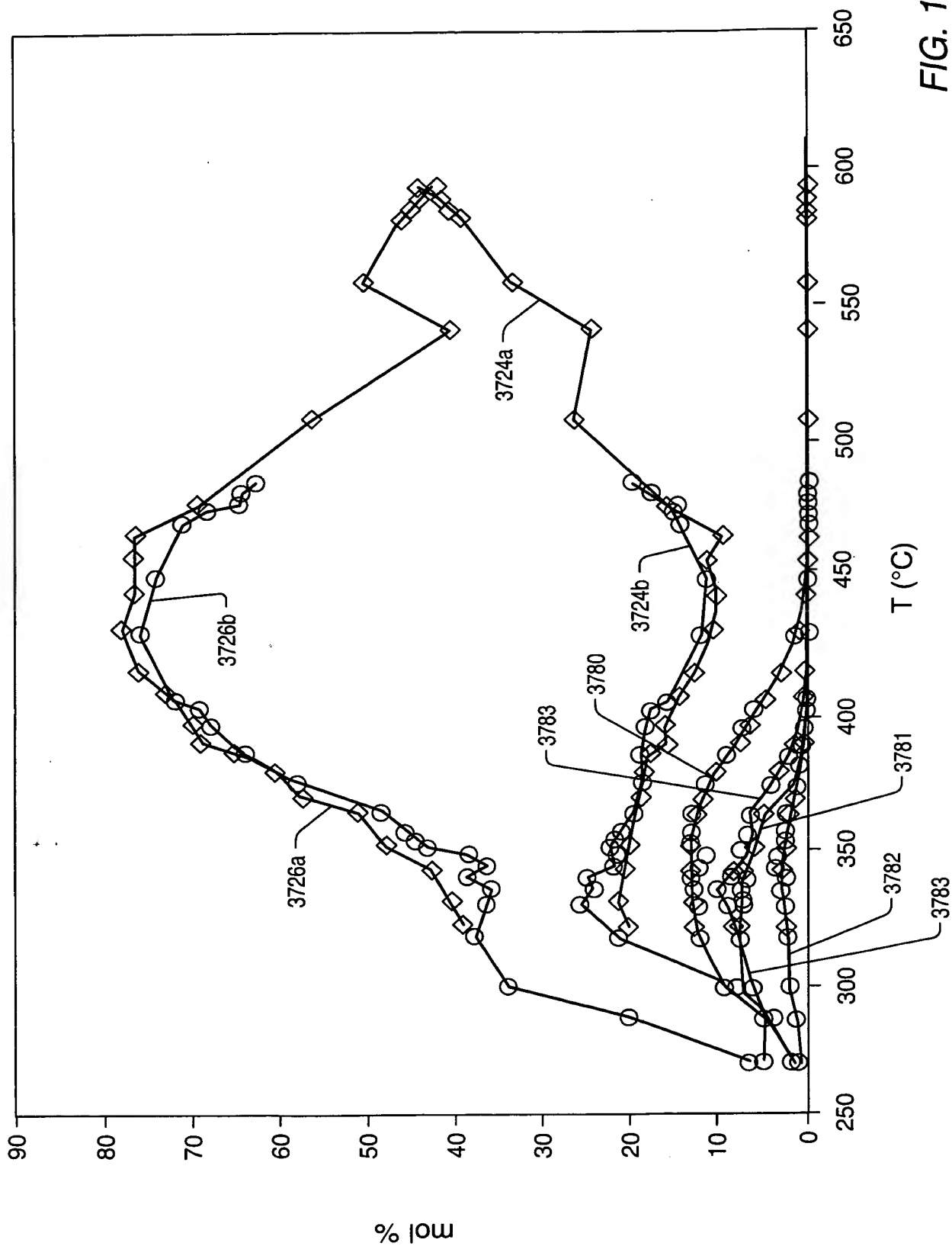


FIG. 130





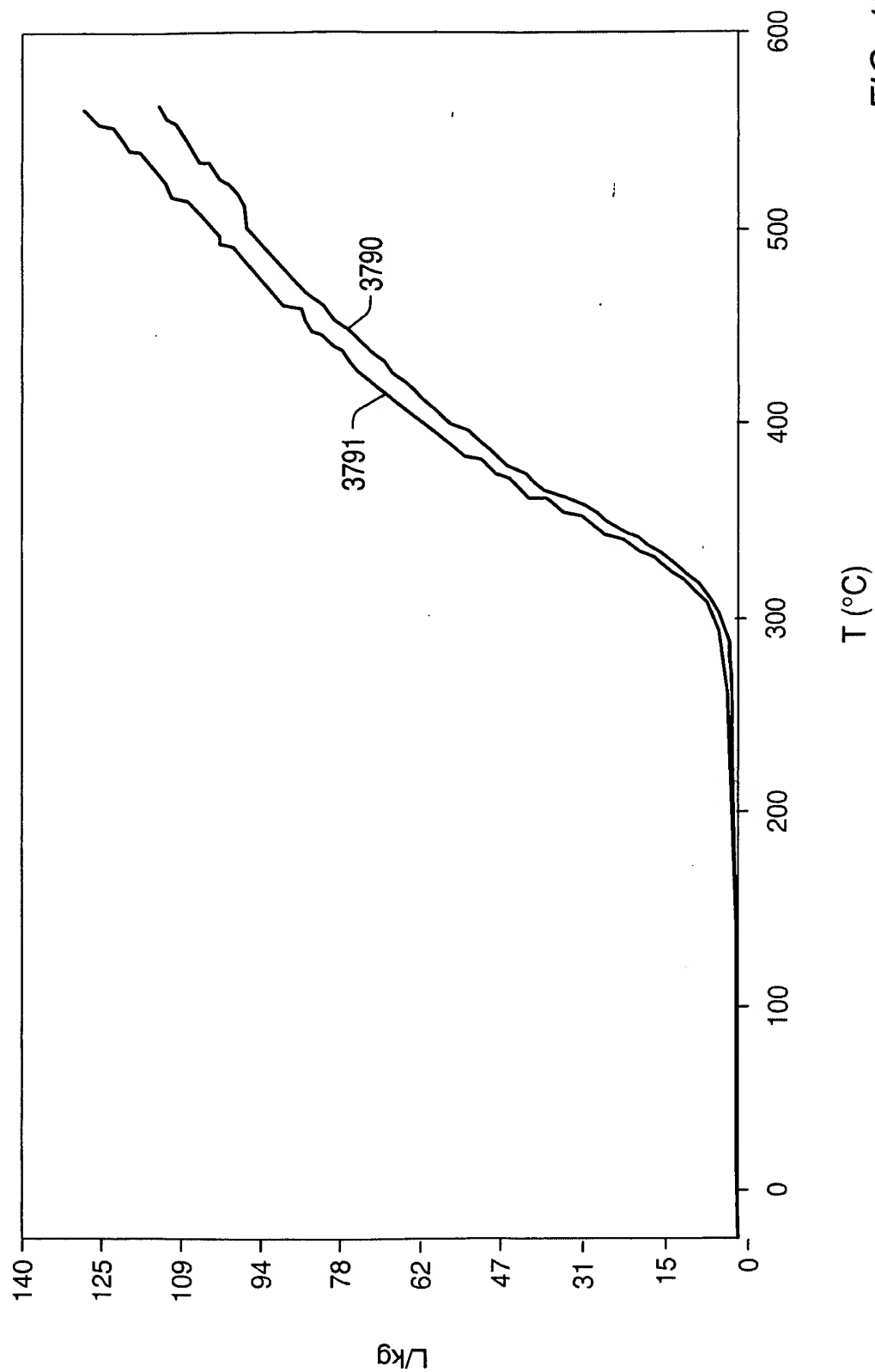


FIG. 132

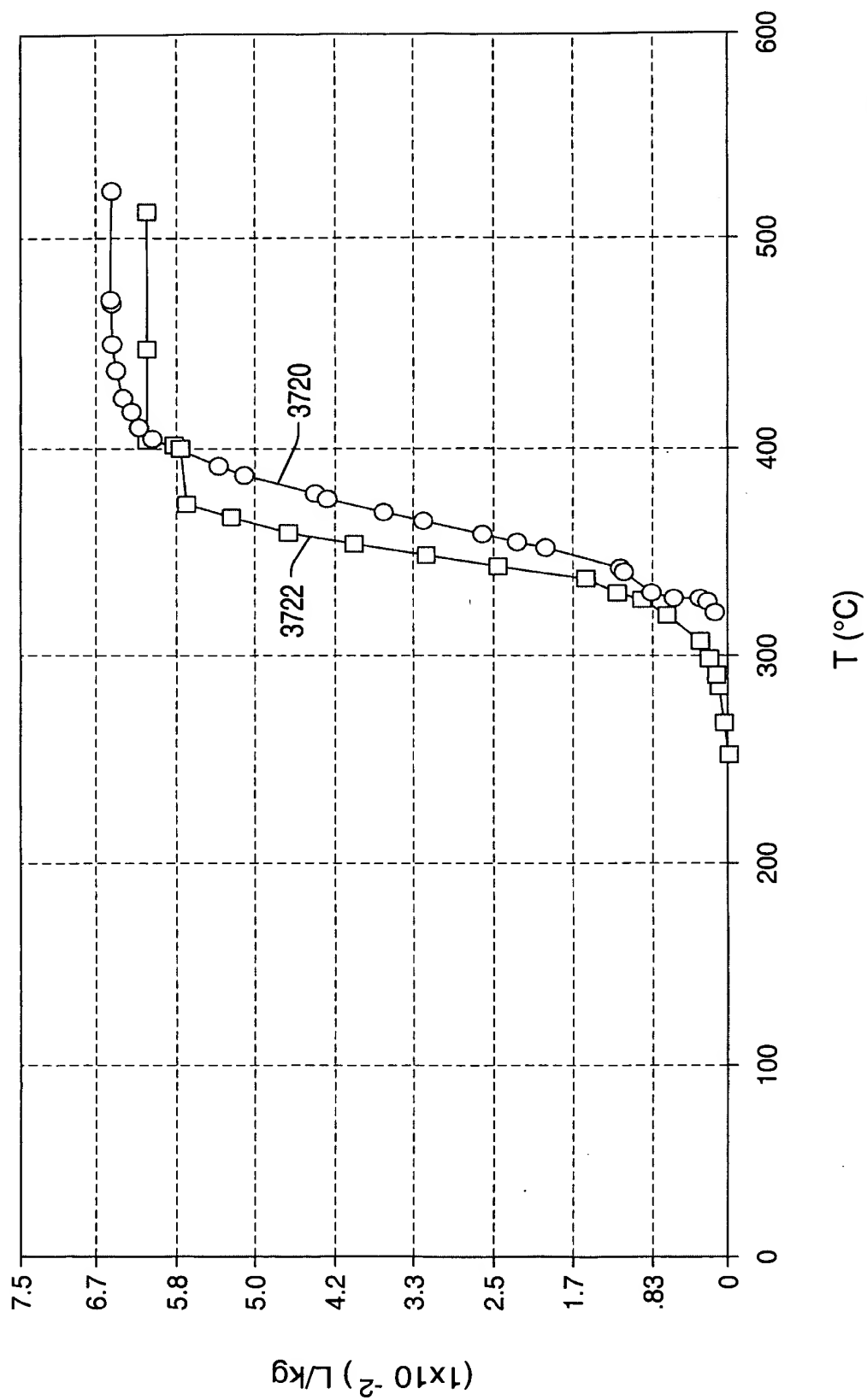


FIG. 133

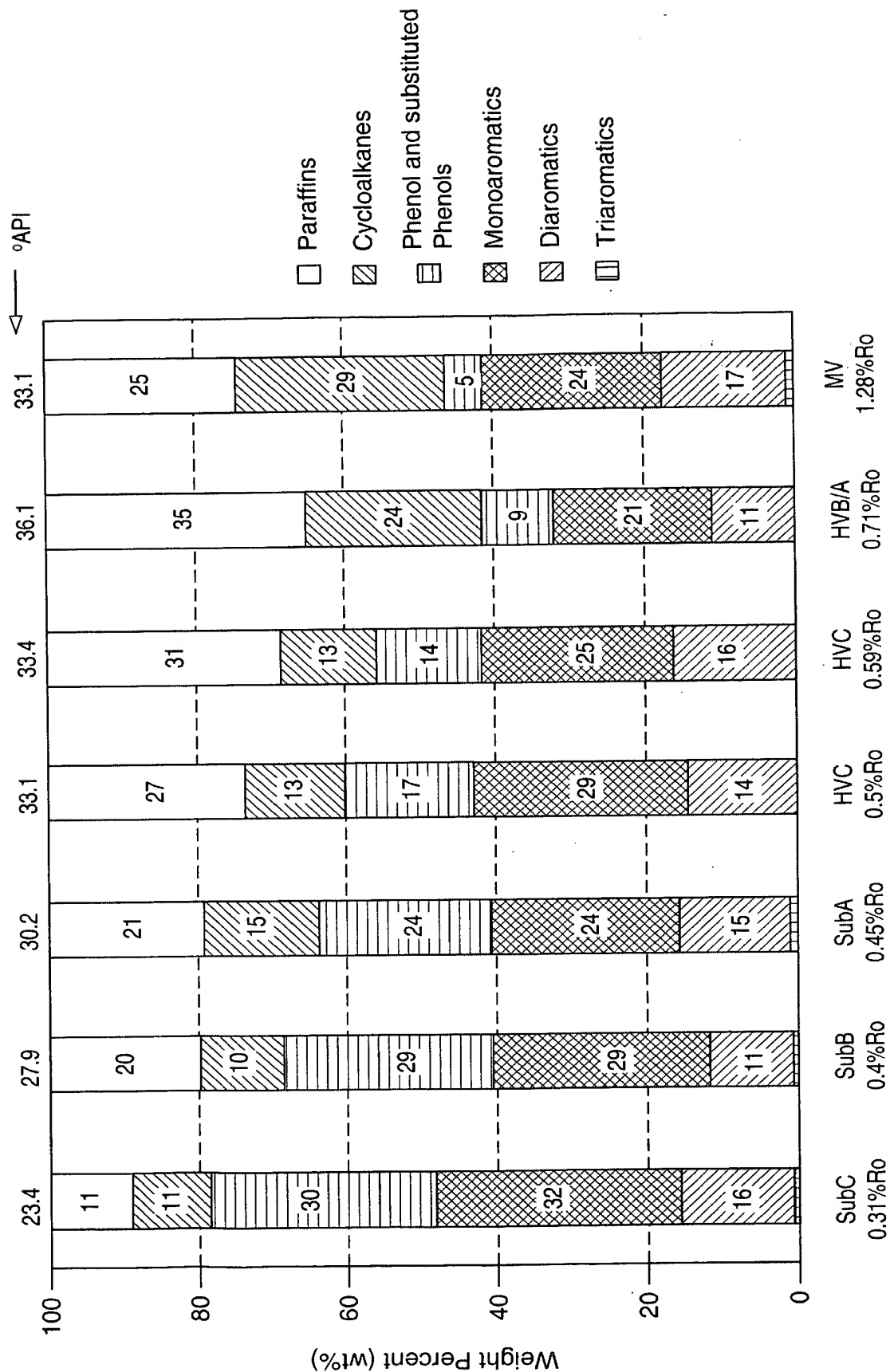


FIG. 134

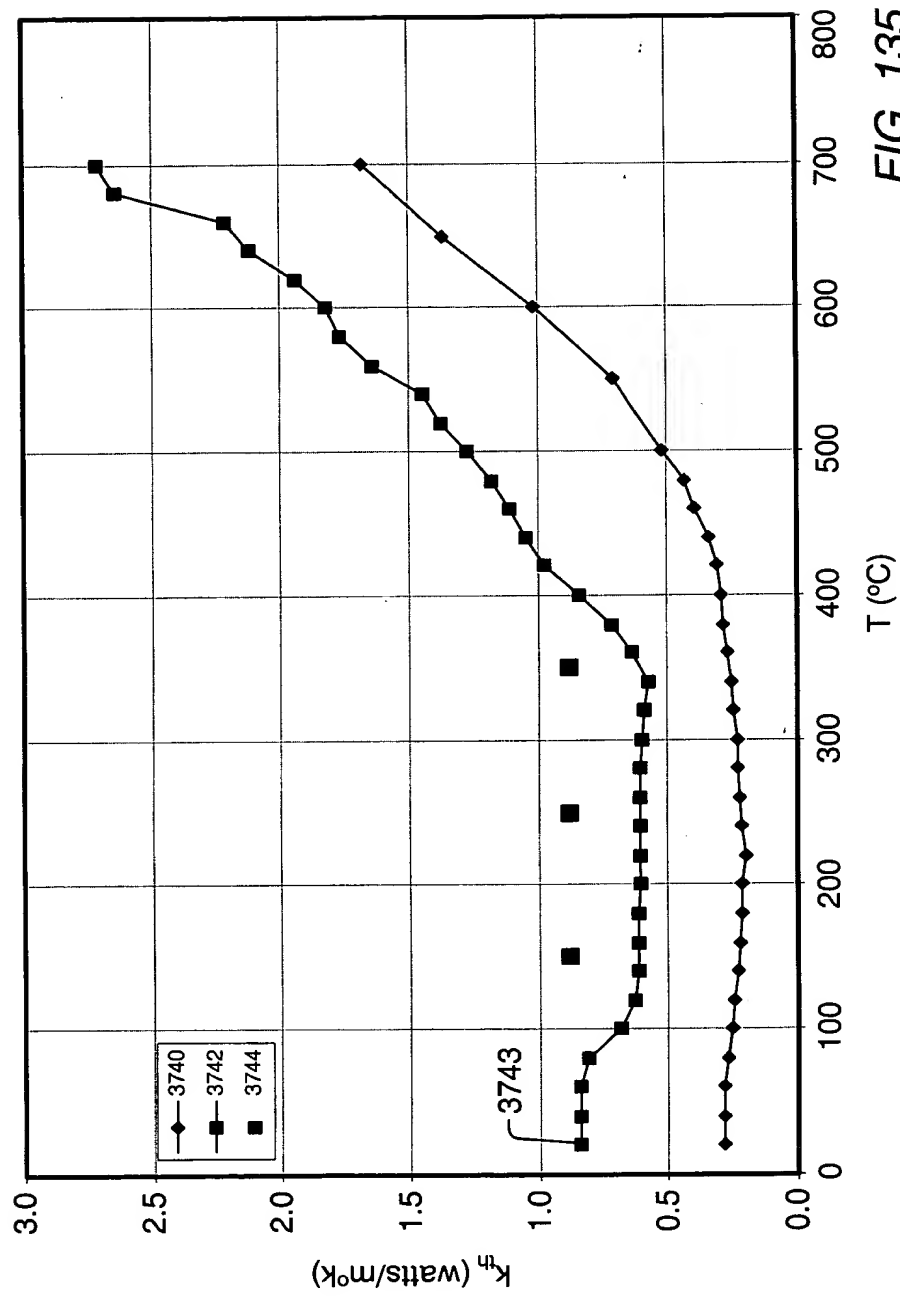


FIG. 135

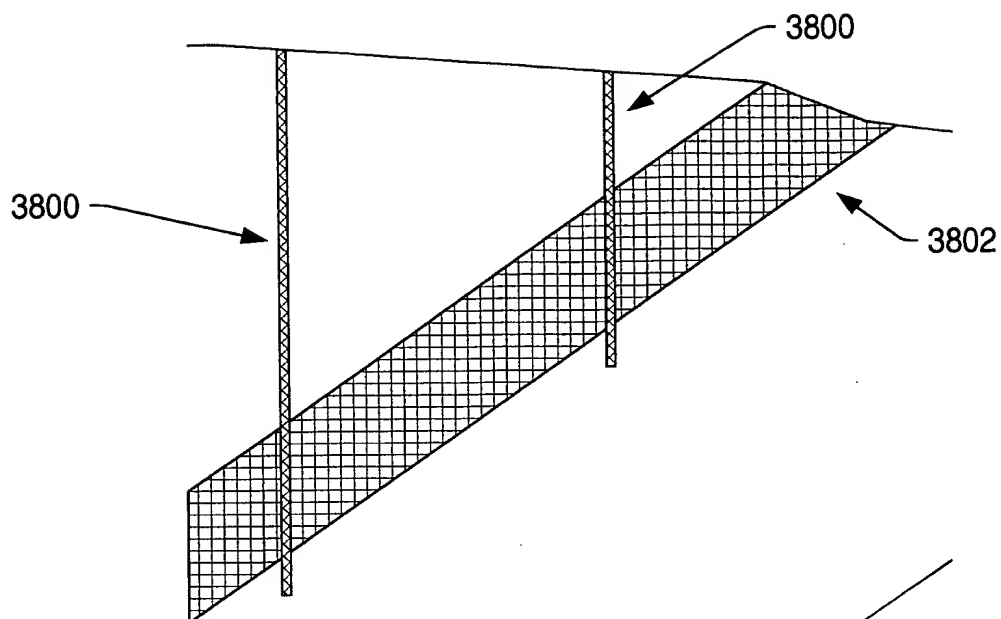


FIG. 136

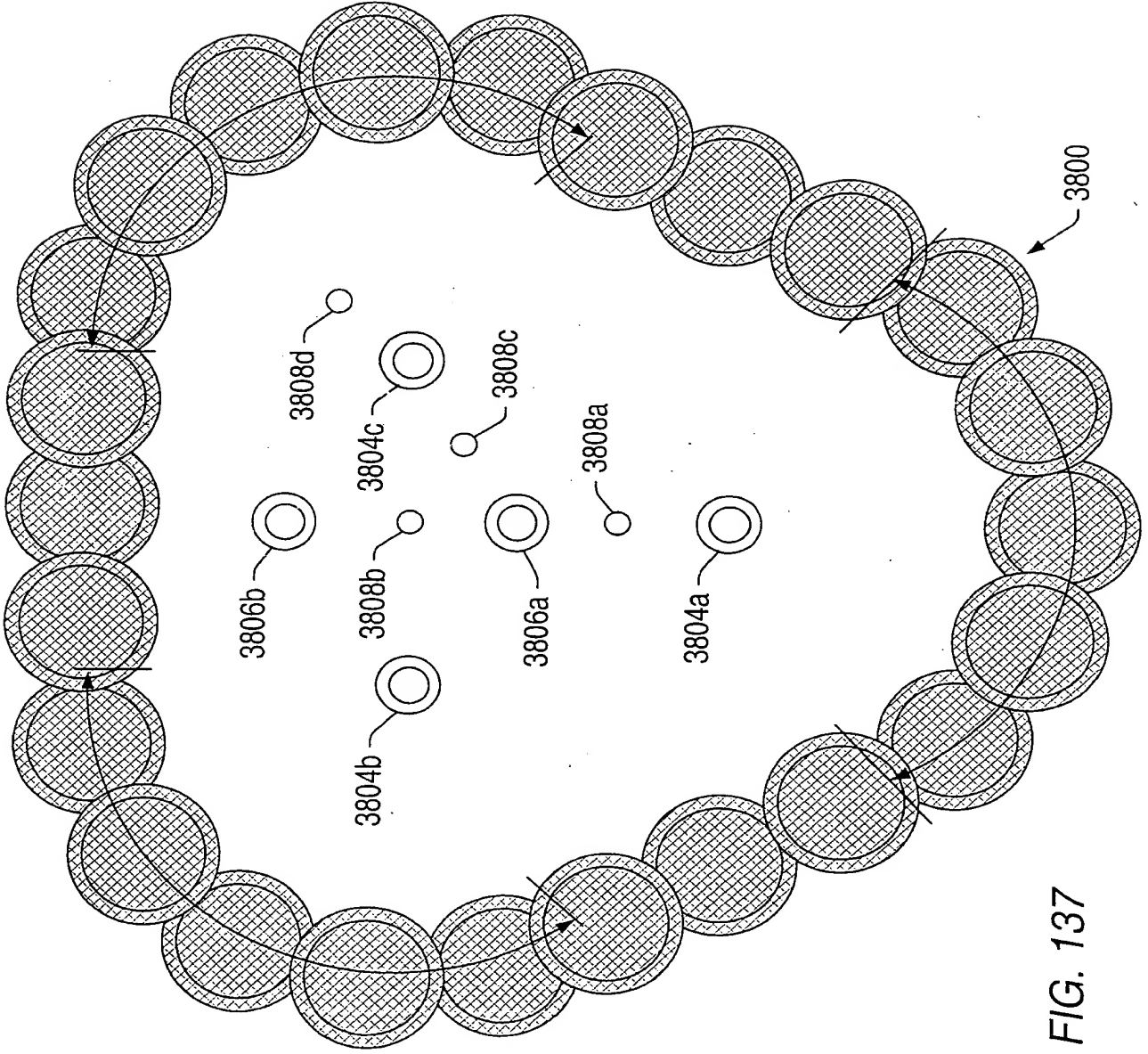


FIG. 137

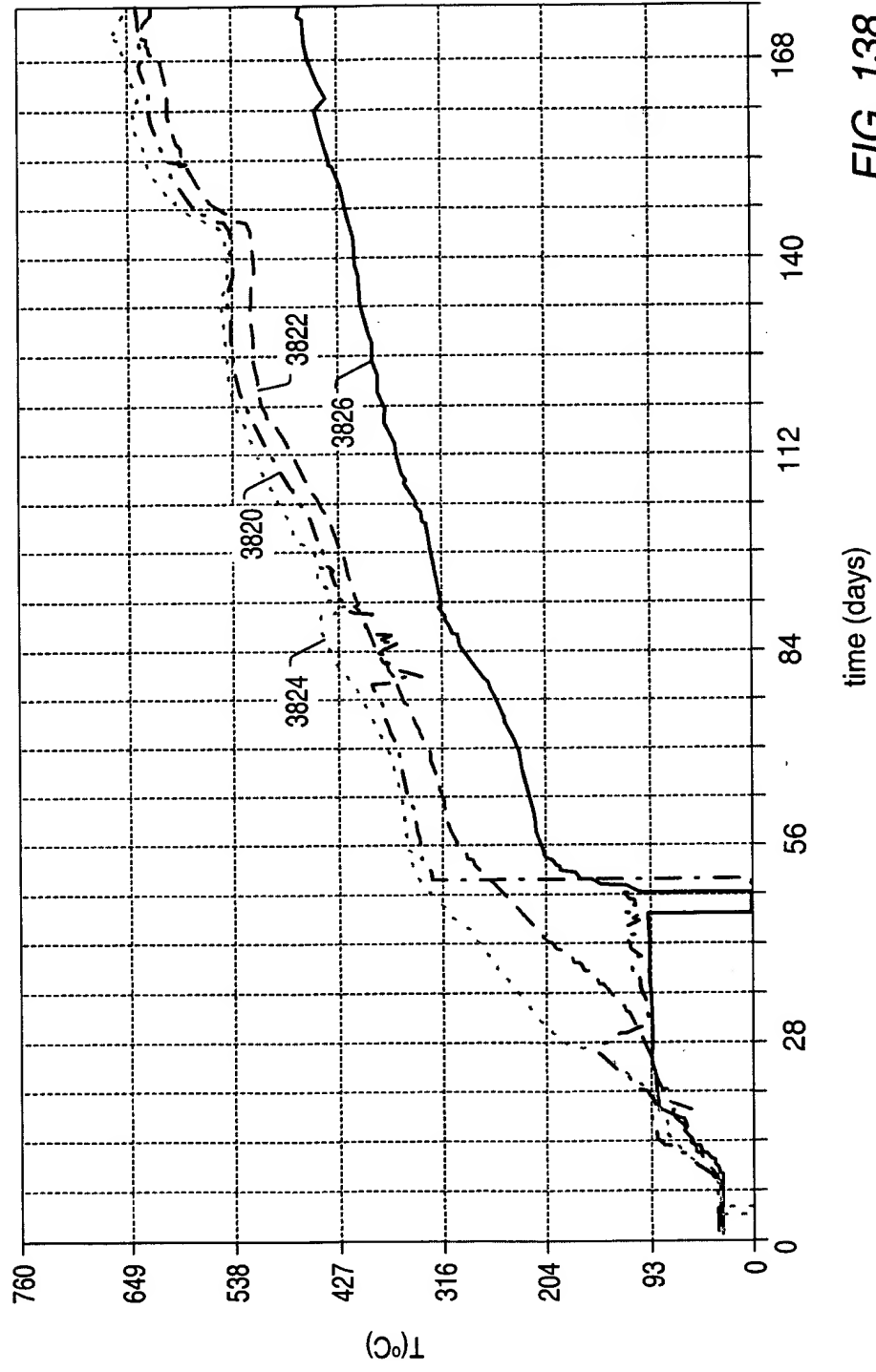


FIG. 138

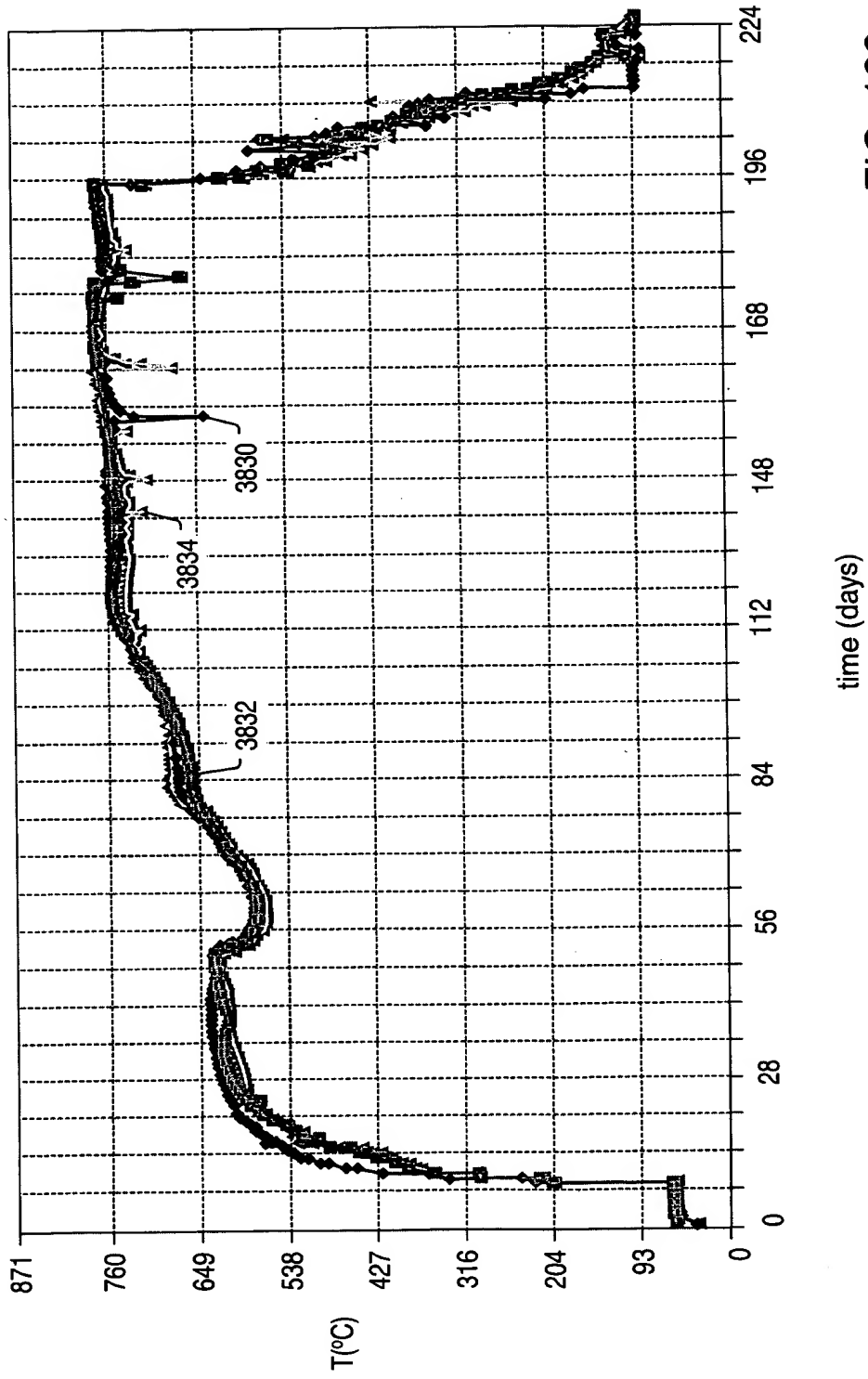


FIG. 139



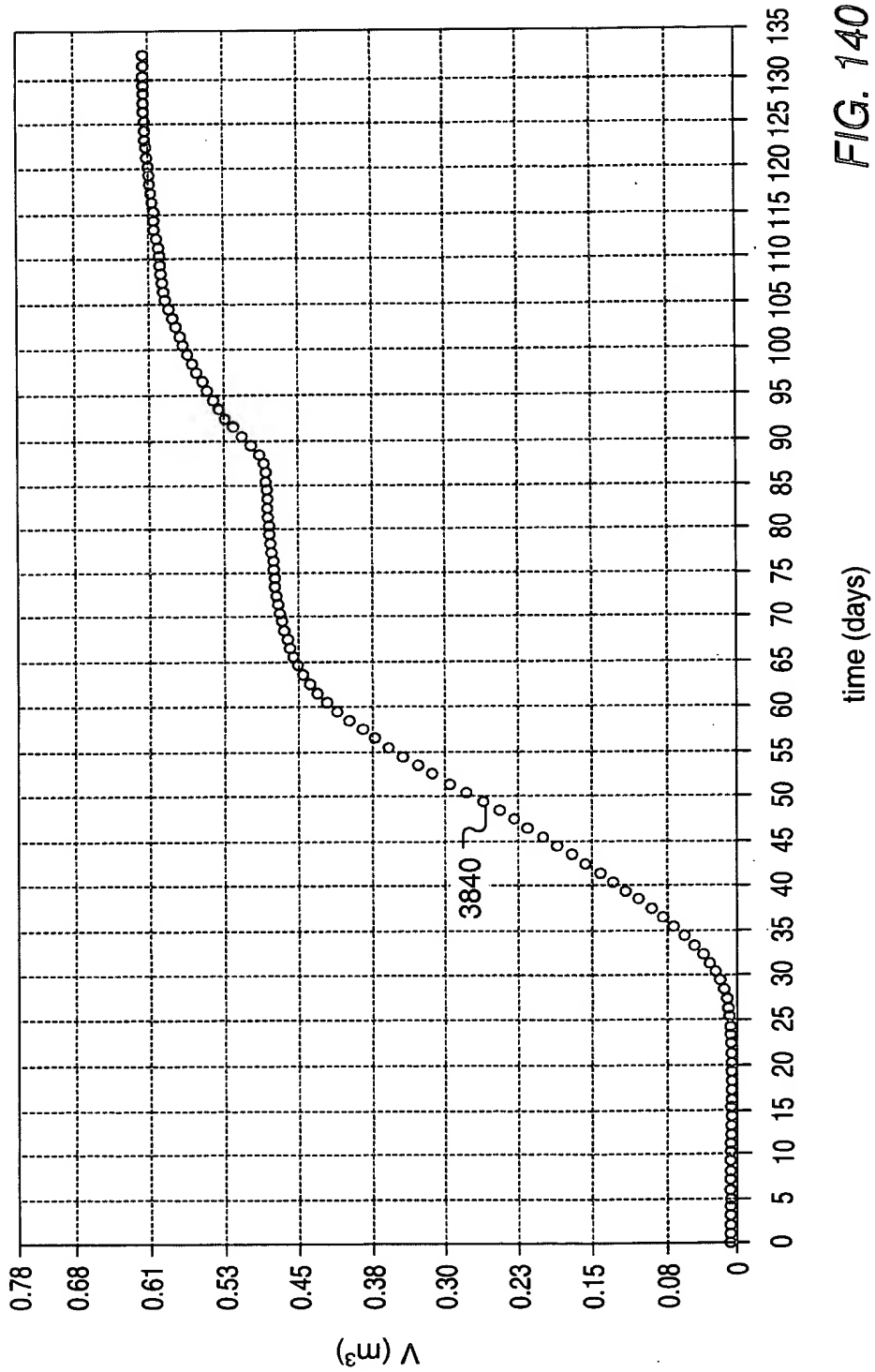
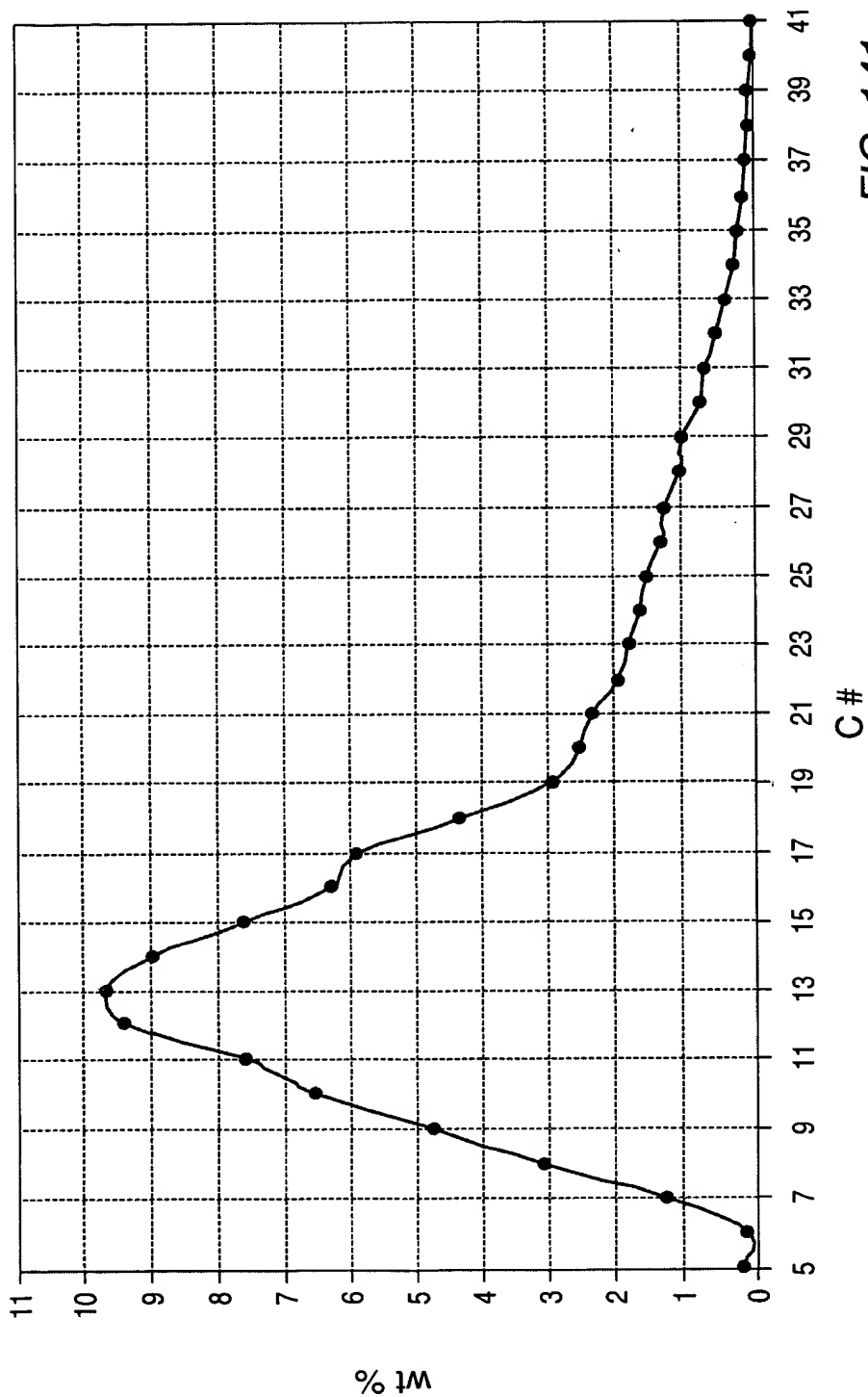


FIG. 140



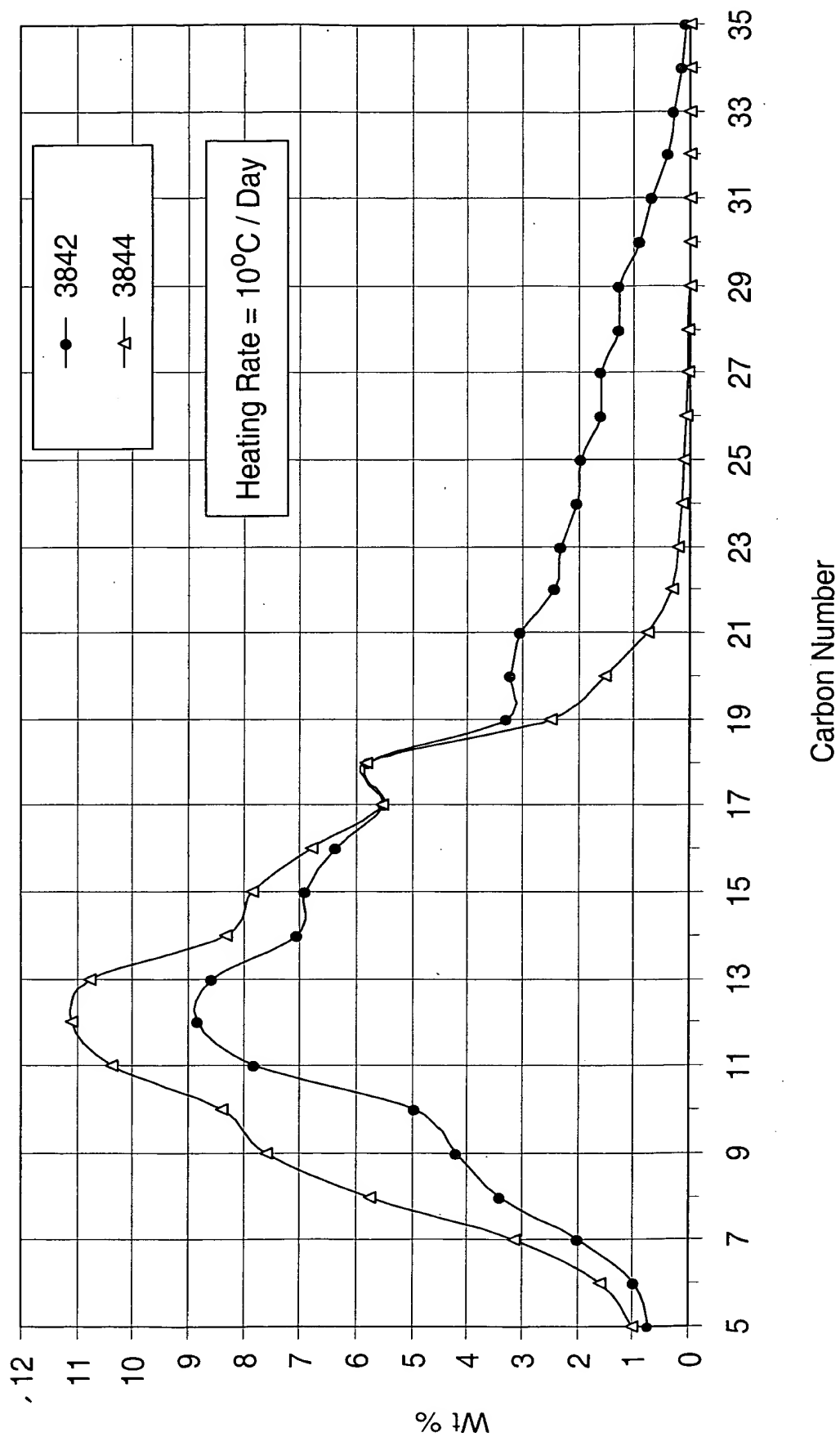


FIG. 142

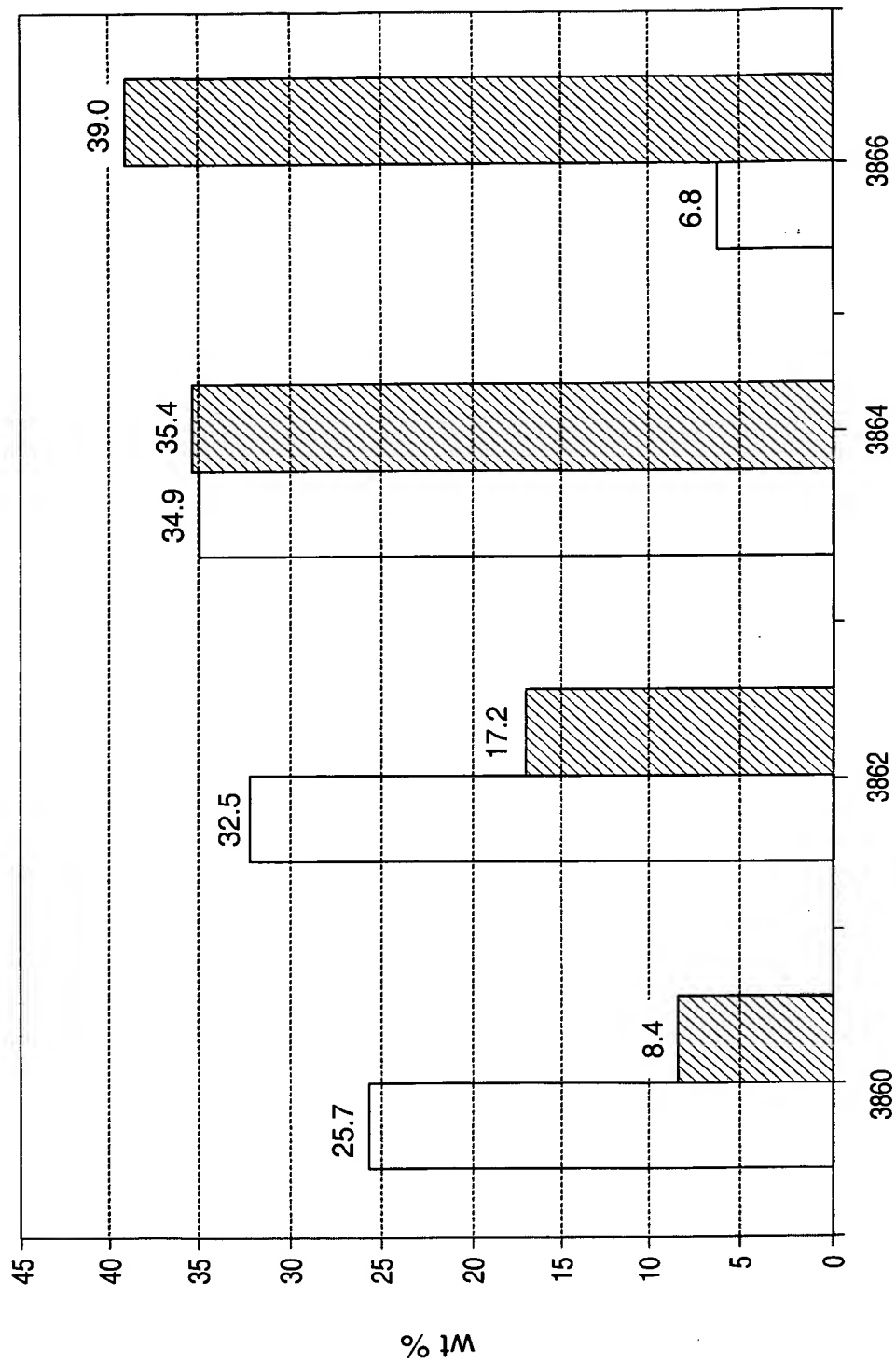


FIG. 143

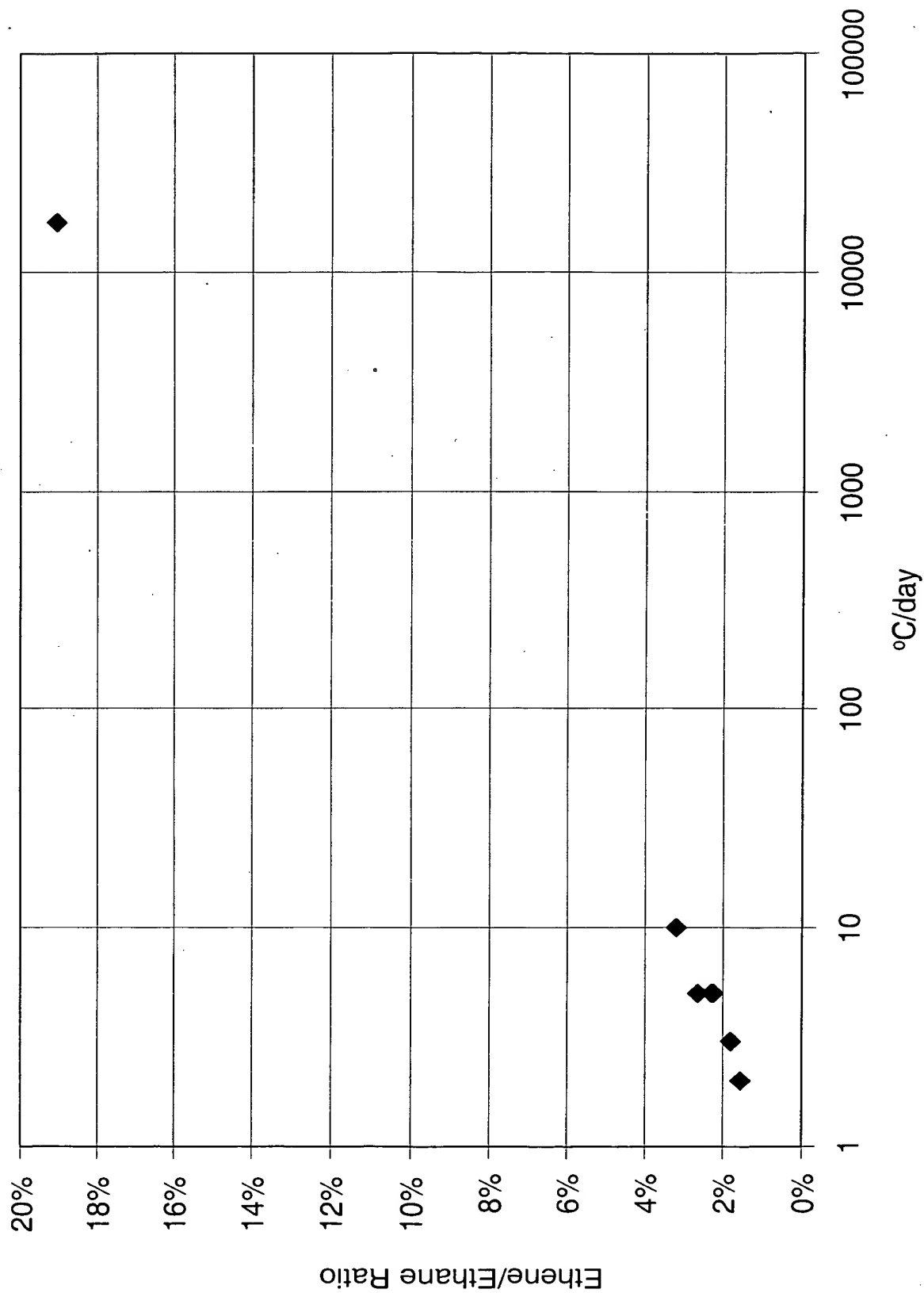


FIG. 144

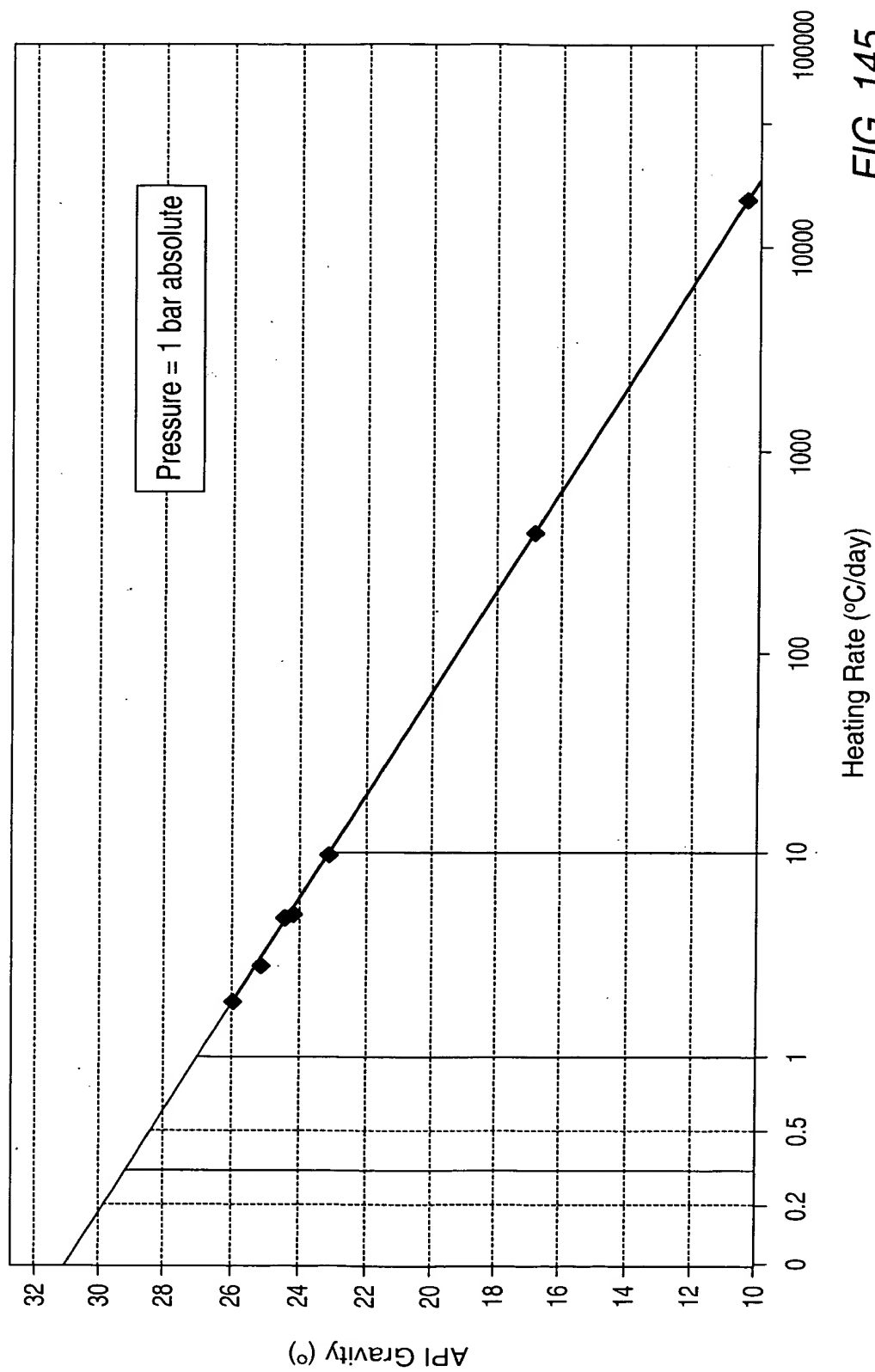


FIG. 145

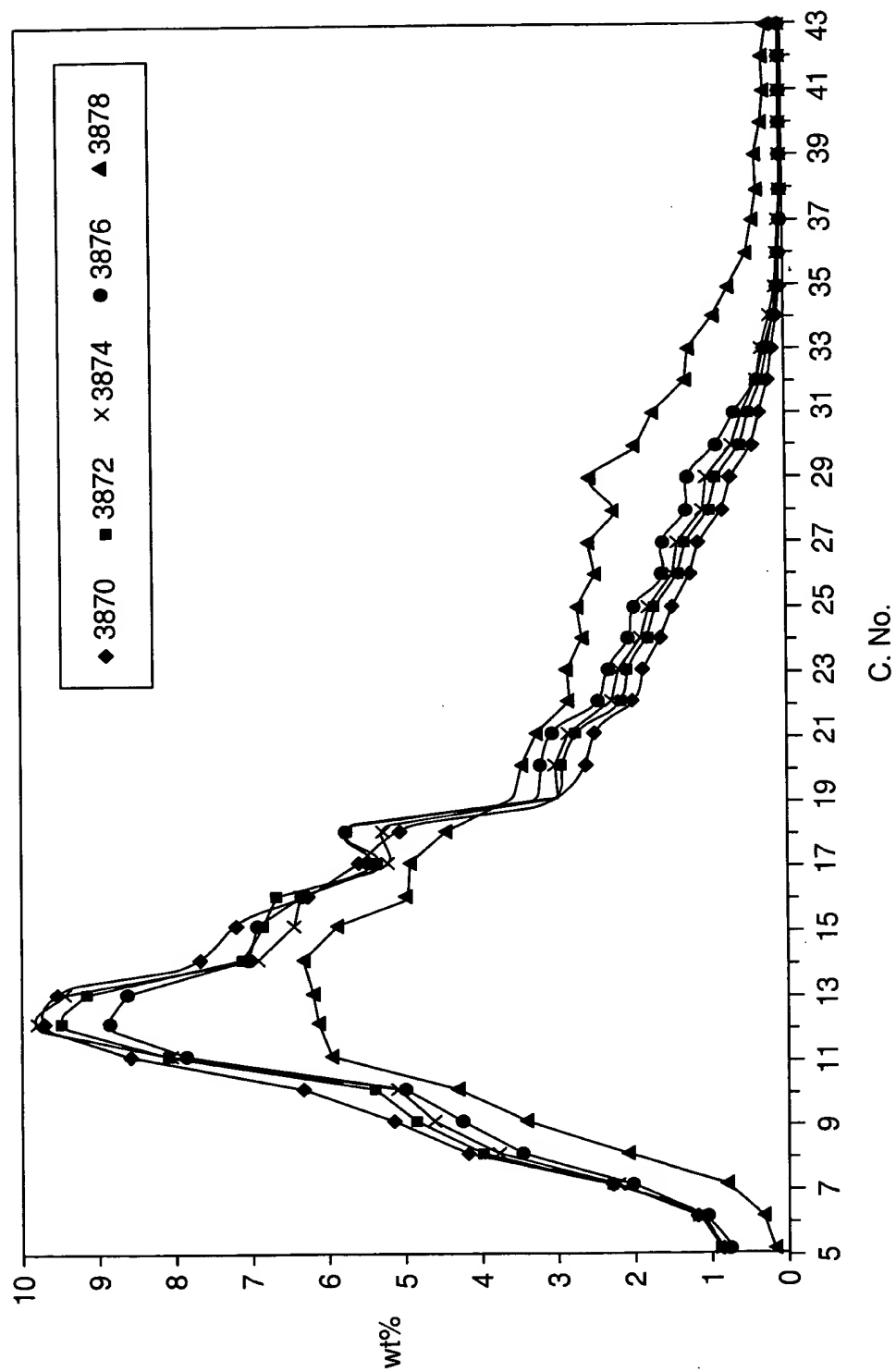


FIG. 146

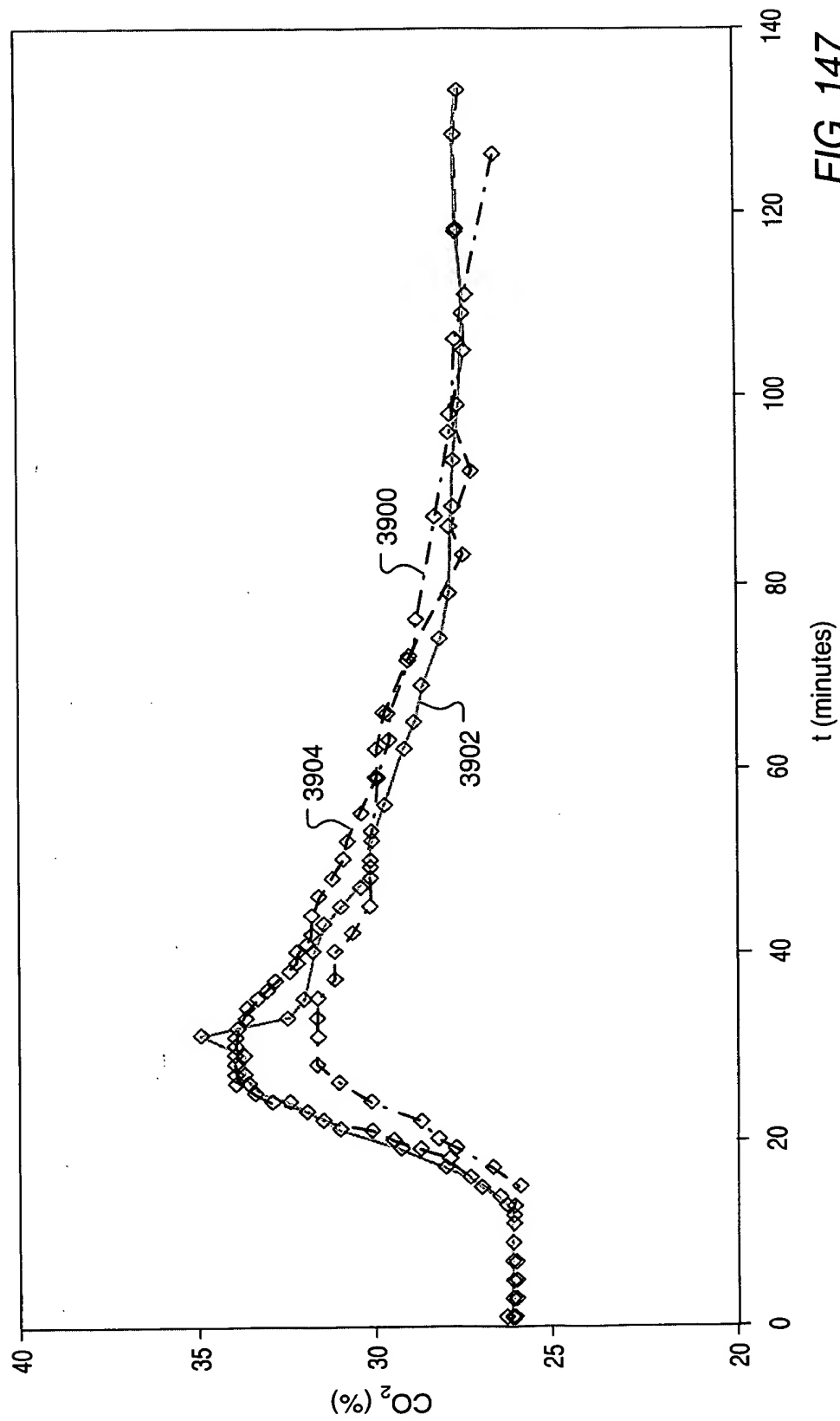


FIG. 147



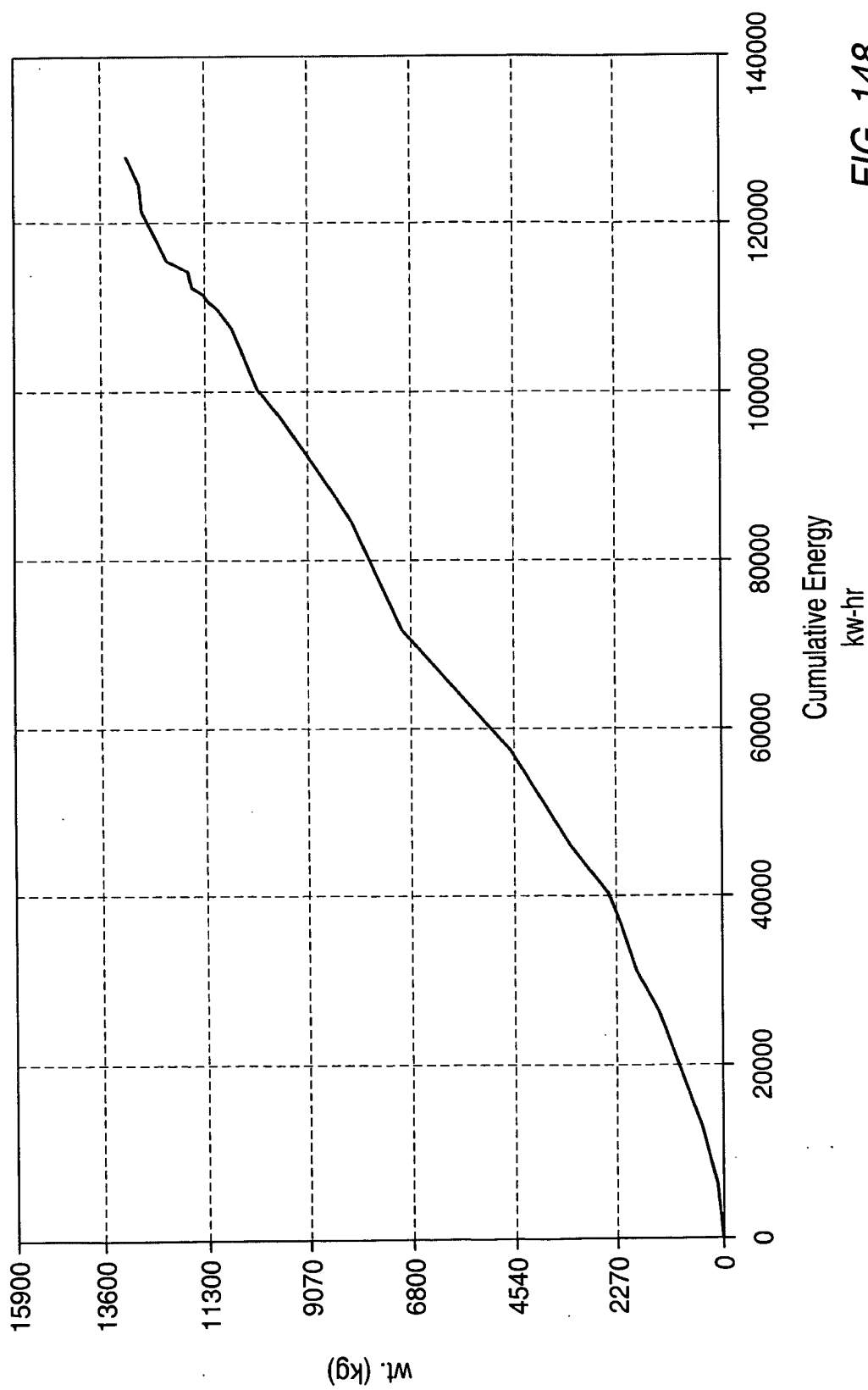
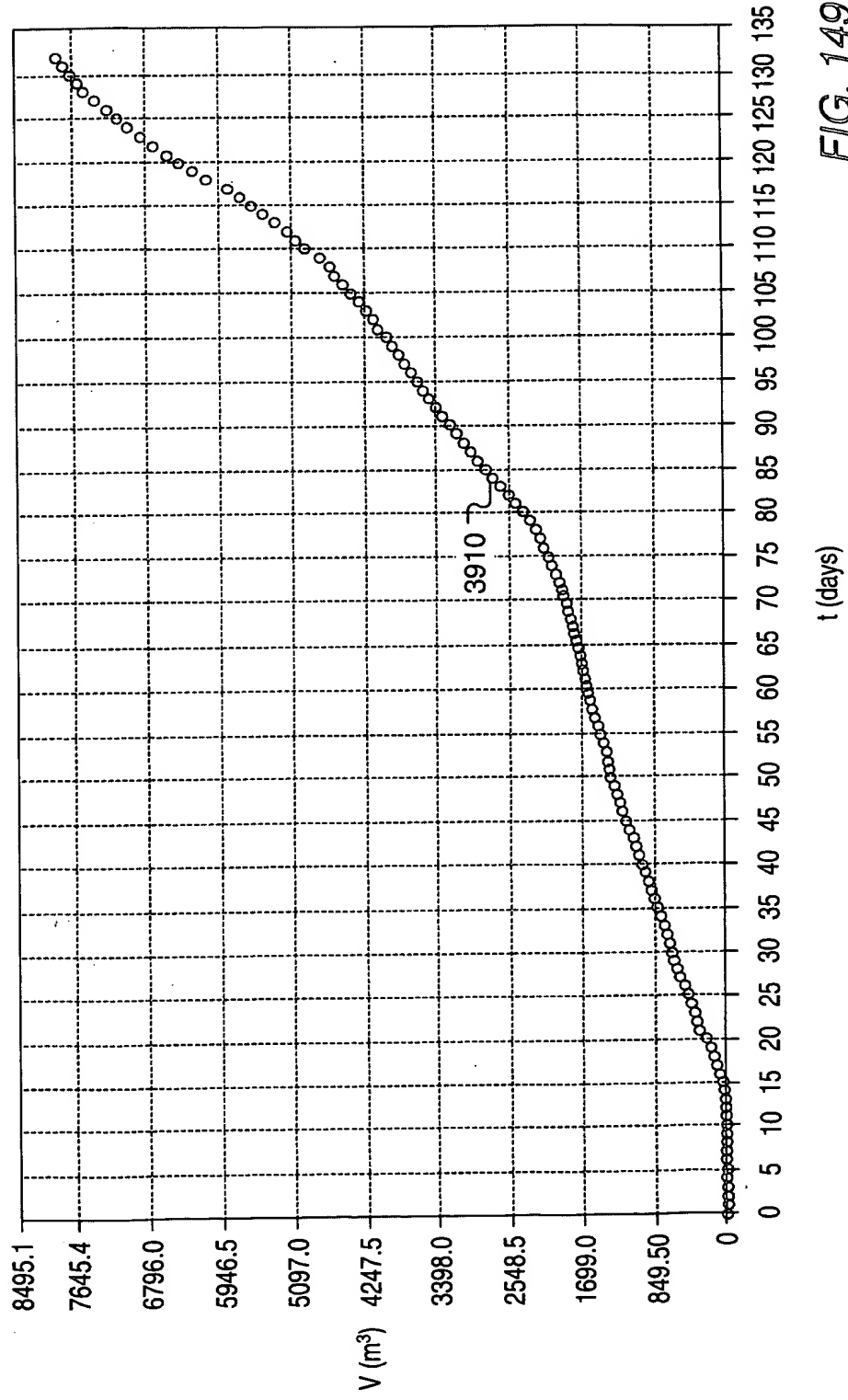


FIG. 148



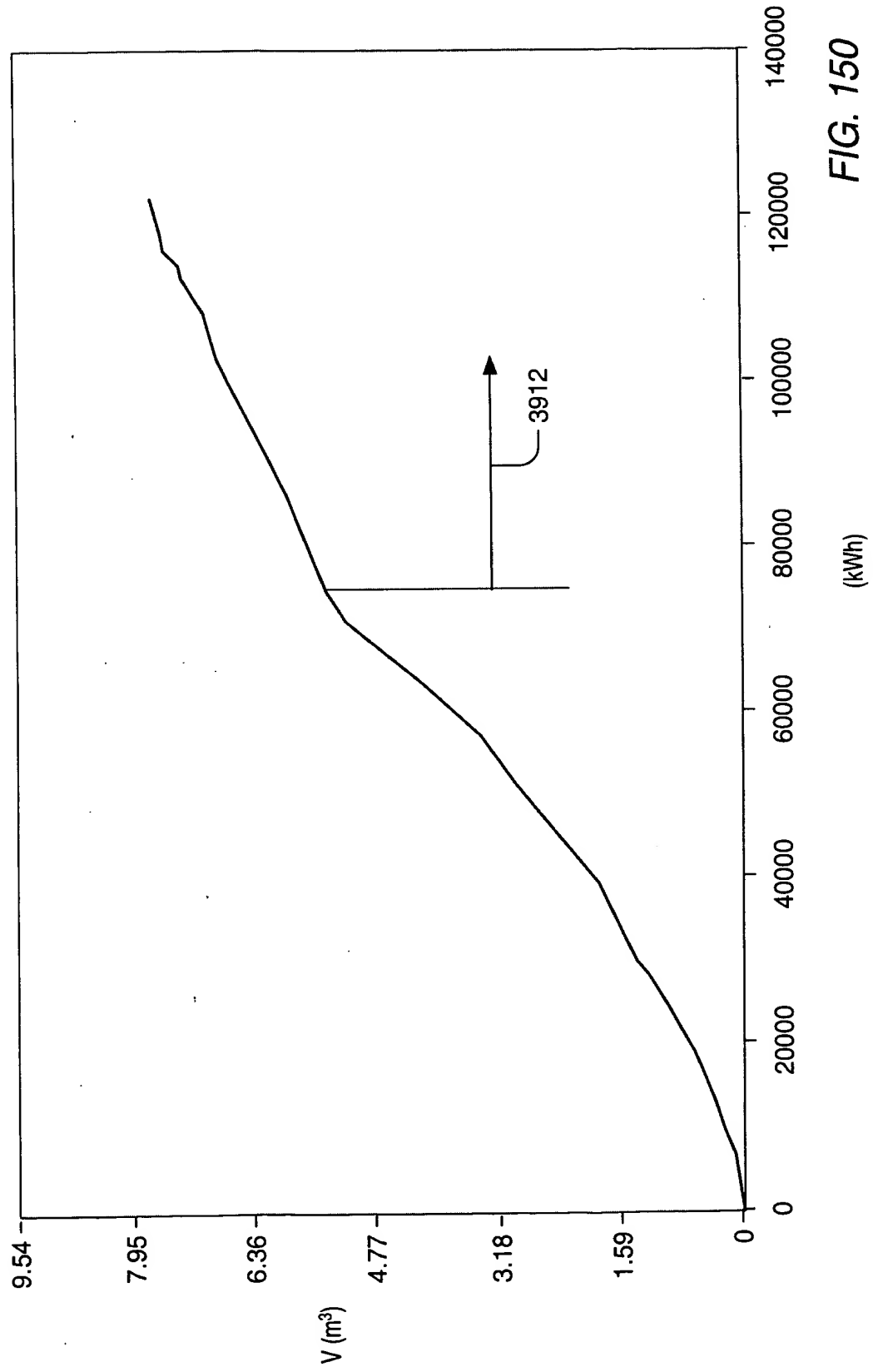


FIG. 150

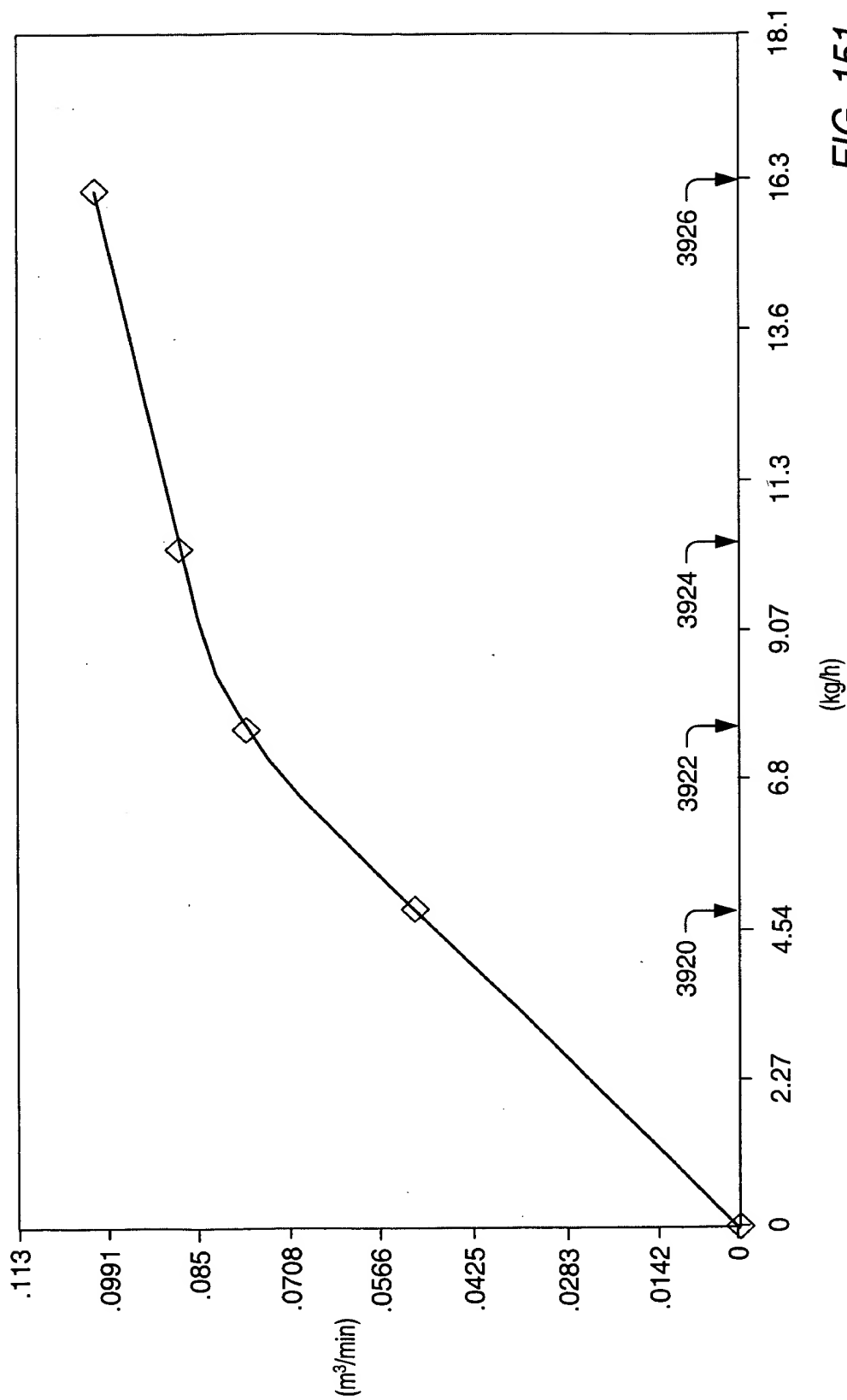


FIG. 151

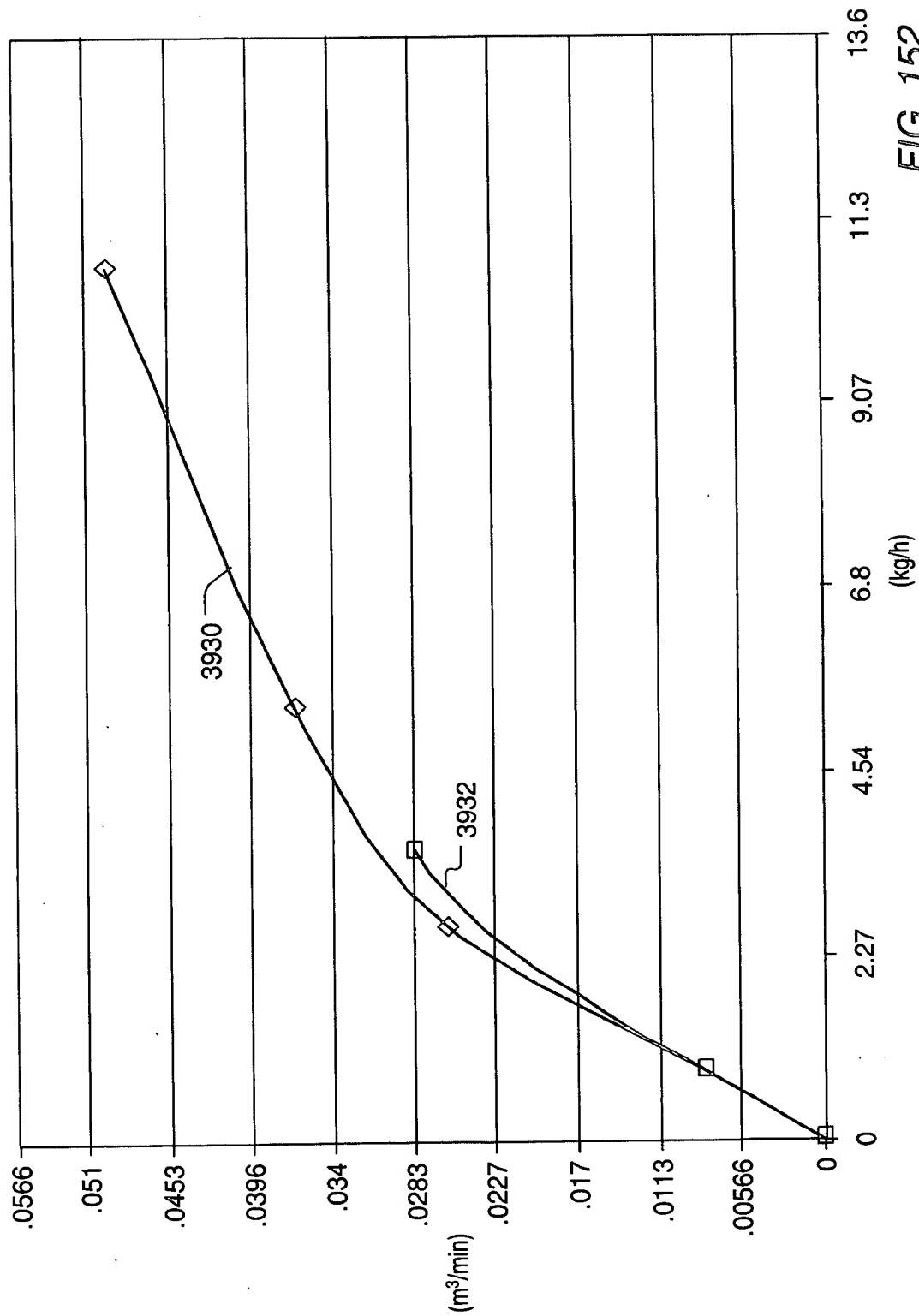


FIG. 152

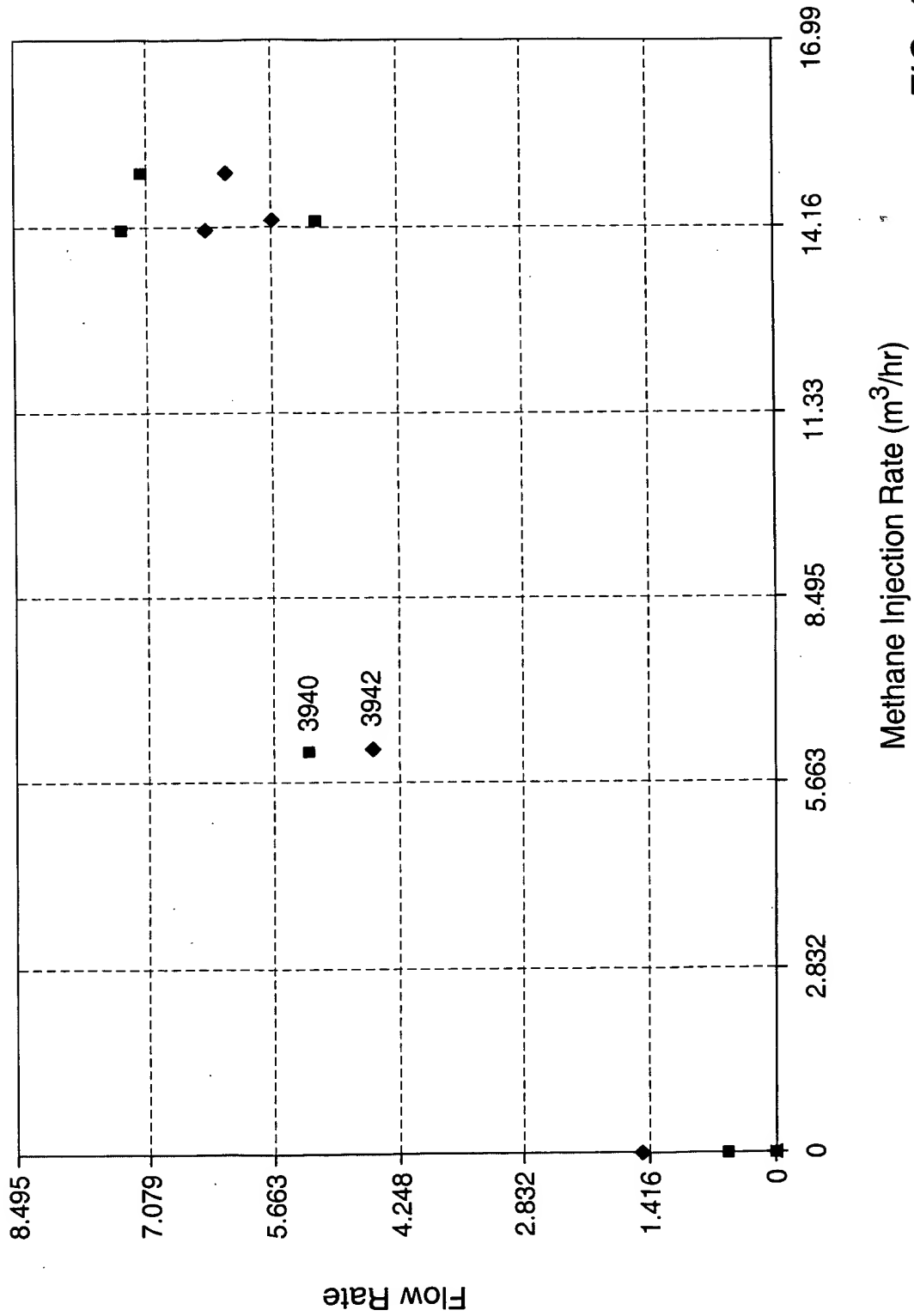


FIG. 153

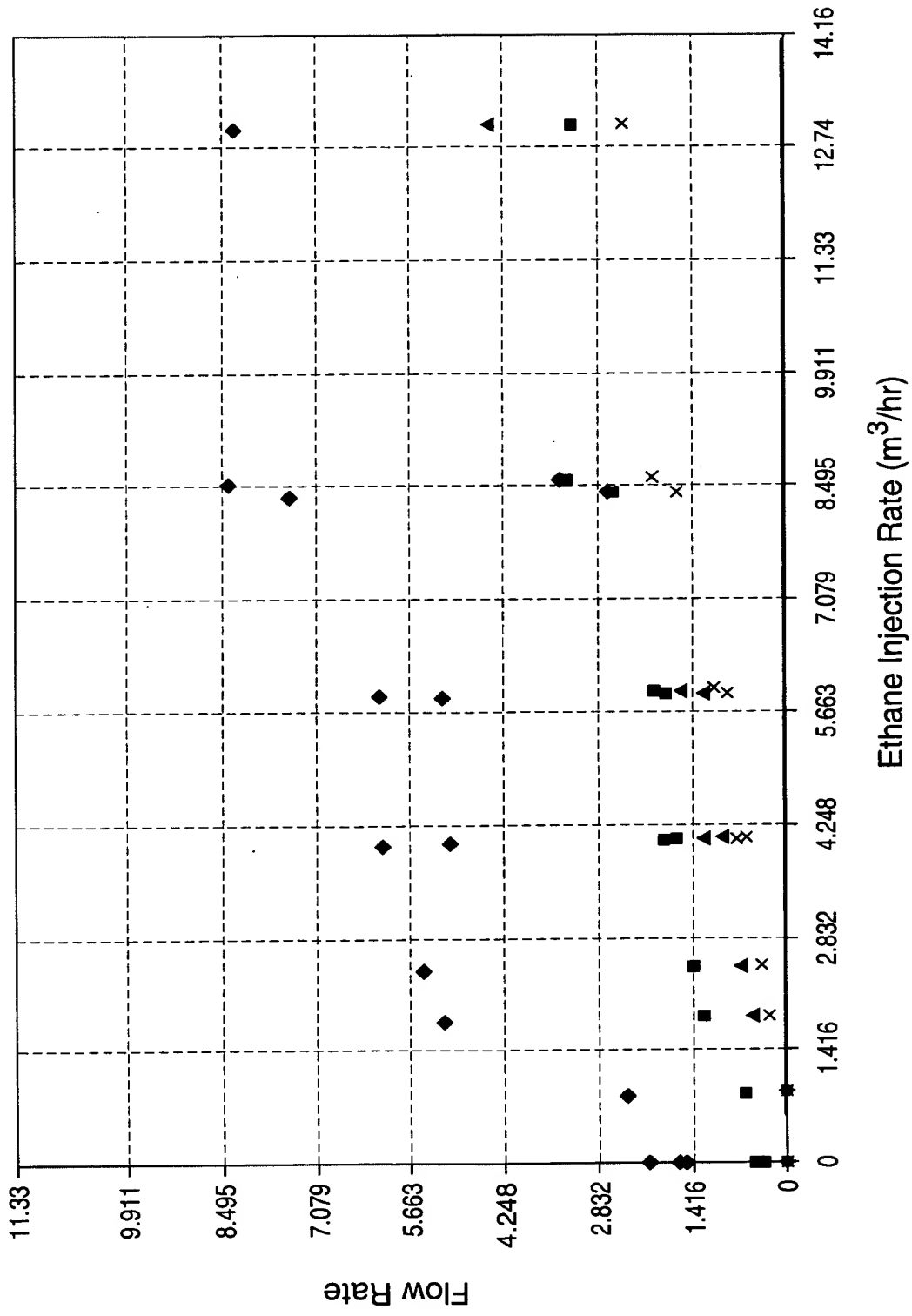


FIG. 154

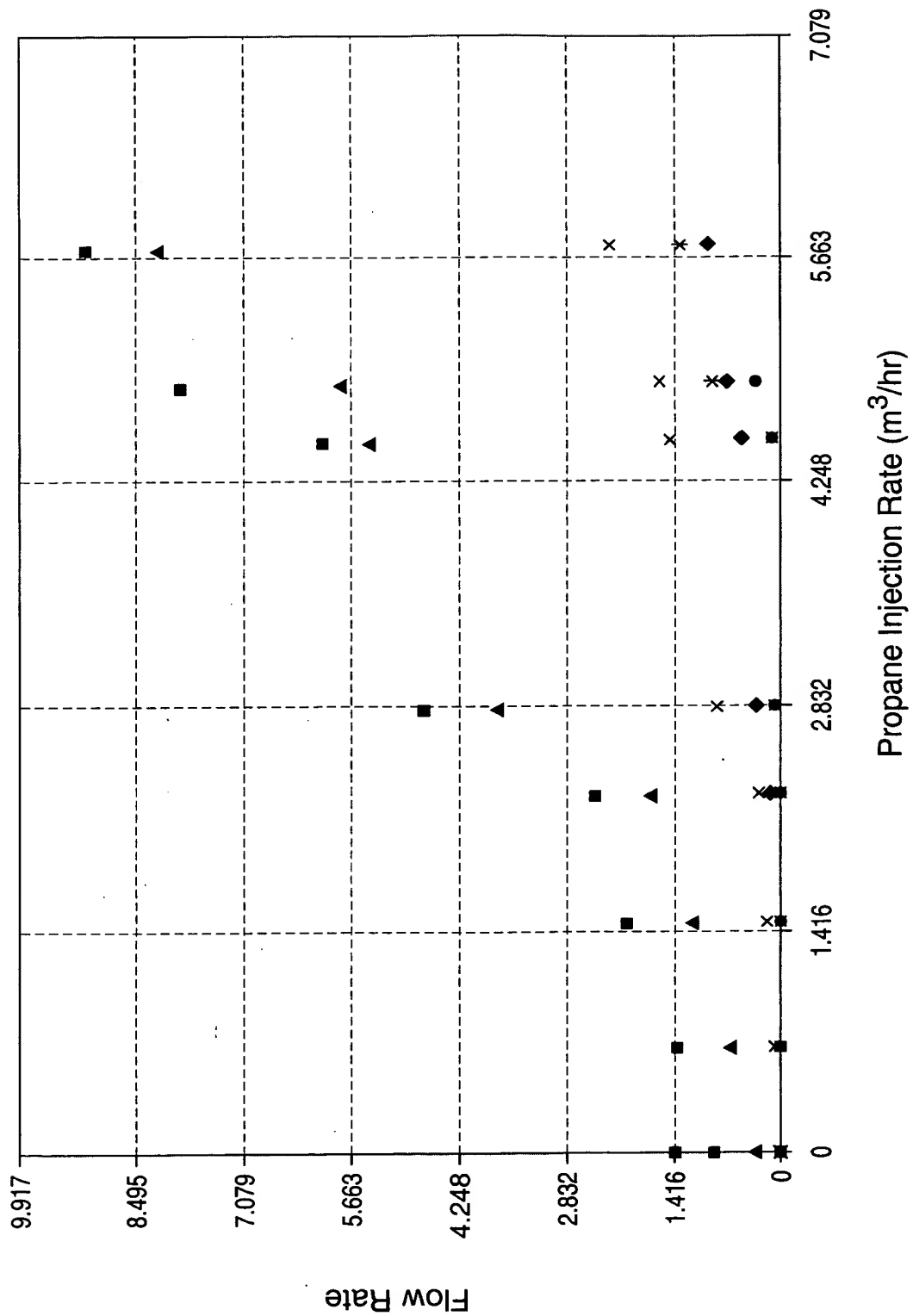
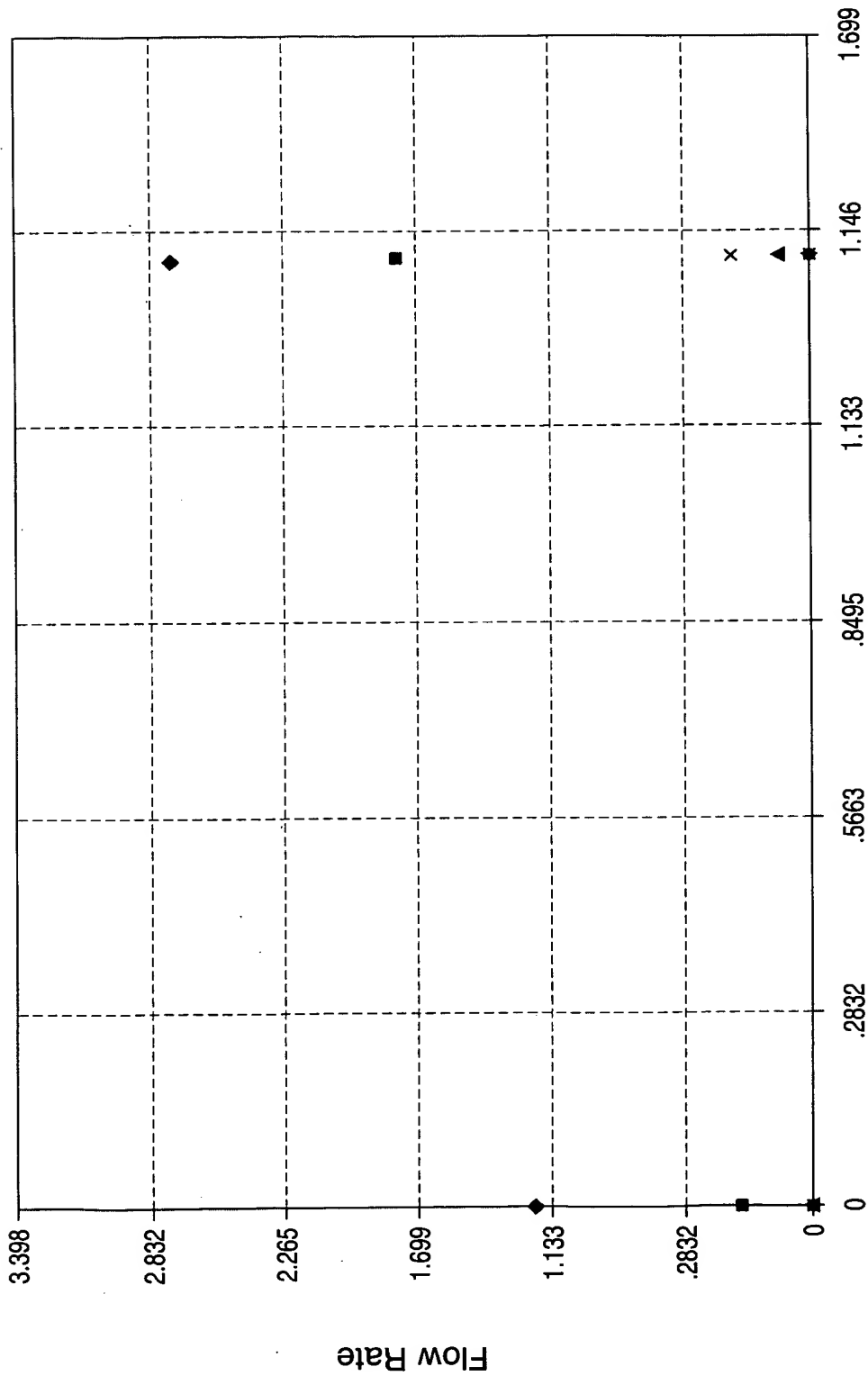


FIG. 155





Butane Injection Rate (m³/hr)

■ 3970    ▲ 3972    ◆ 3974    × 3976    \* 3978    ● 3979

FIG. 156

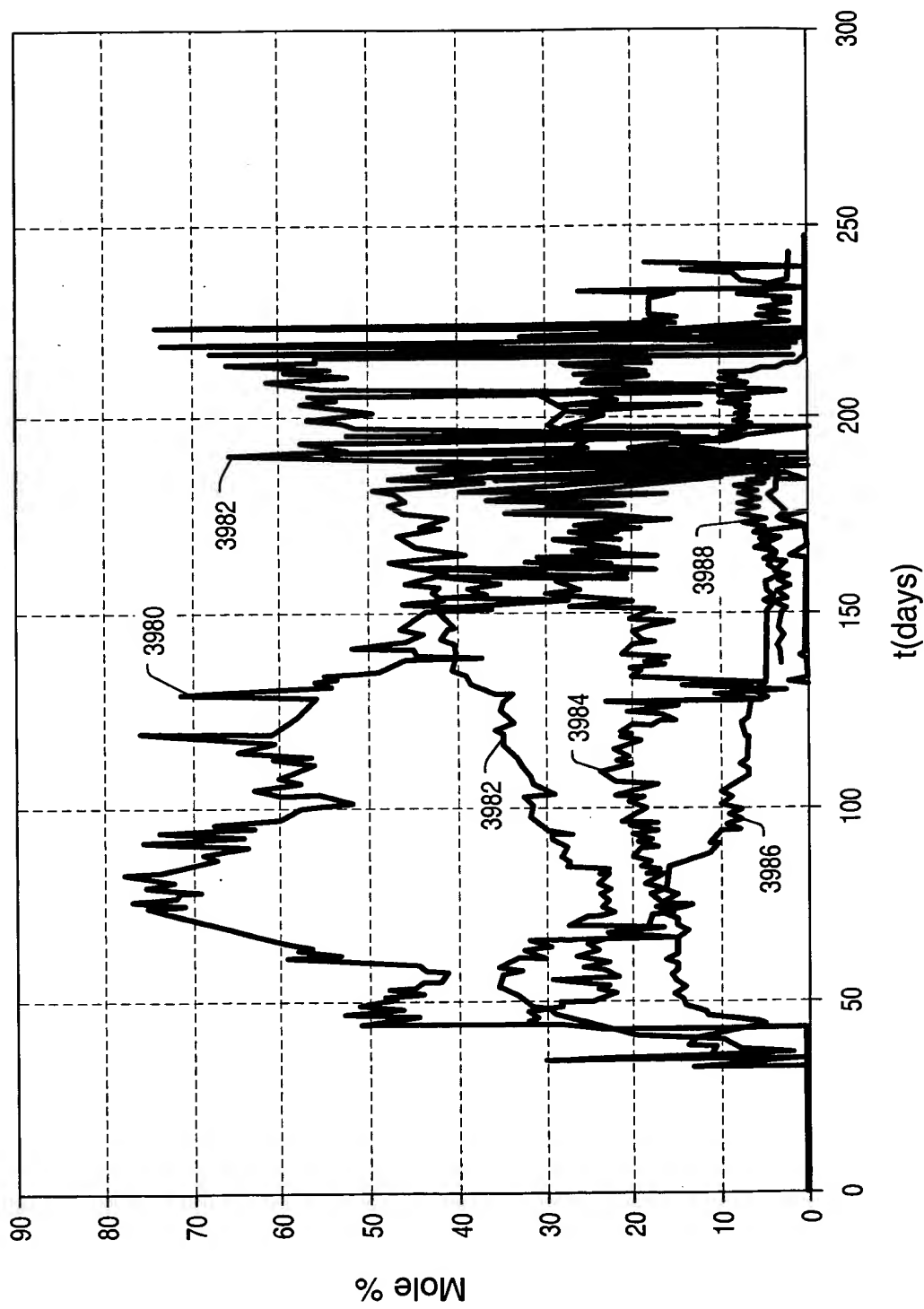


FIG. 157

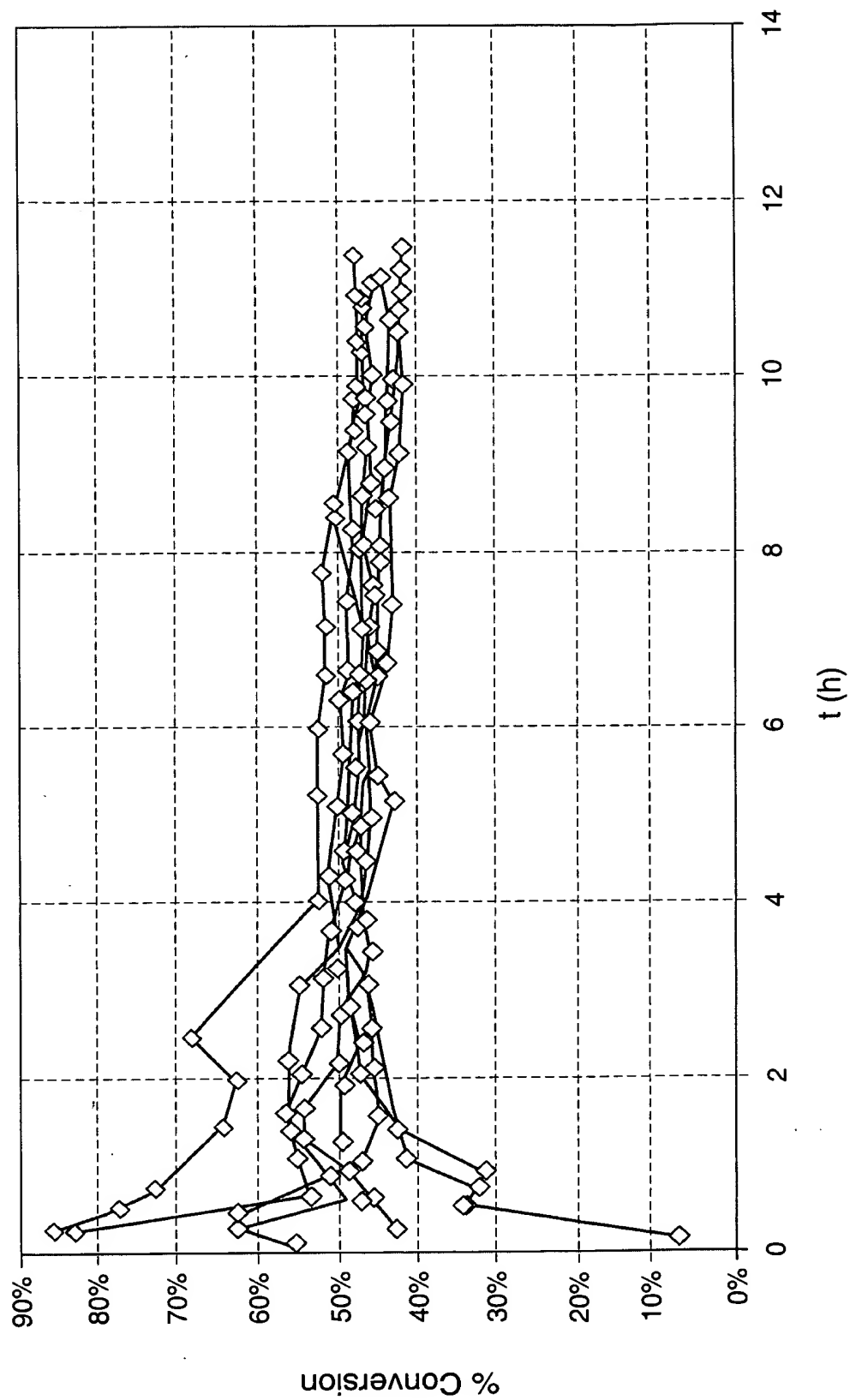


FIG. 158

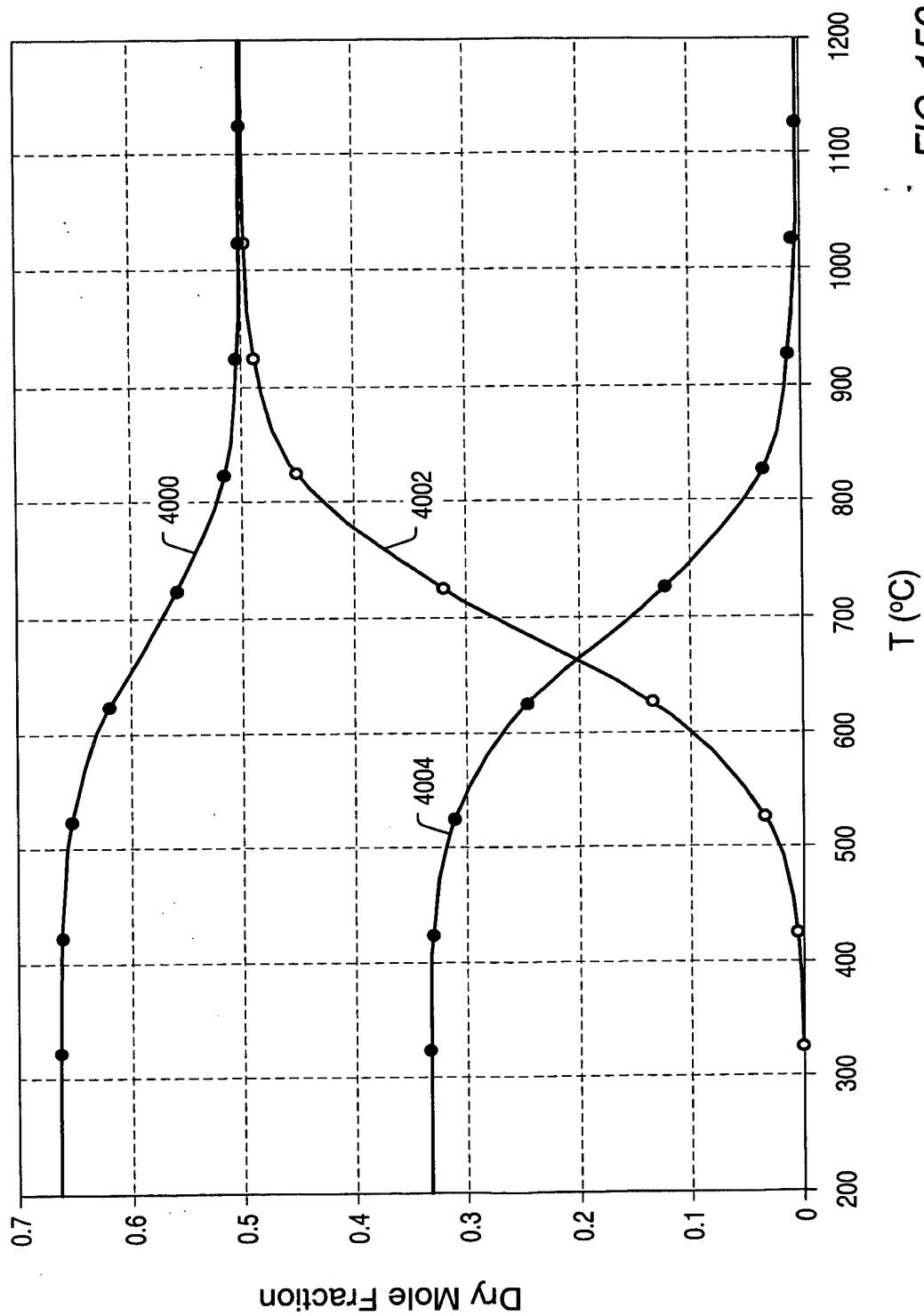


FIG. 159

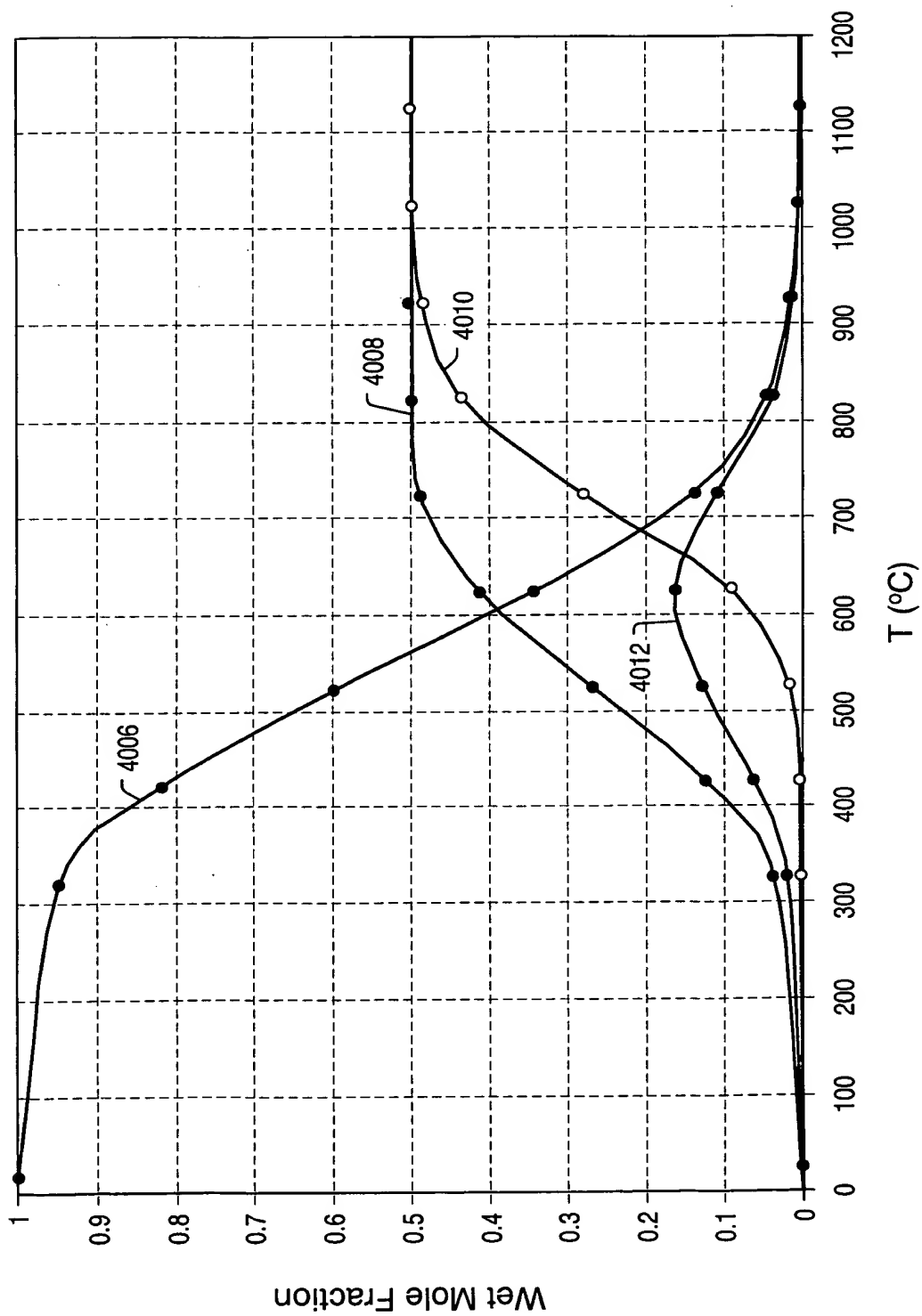


FIG. 160

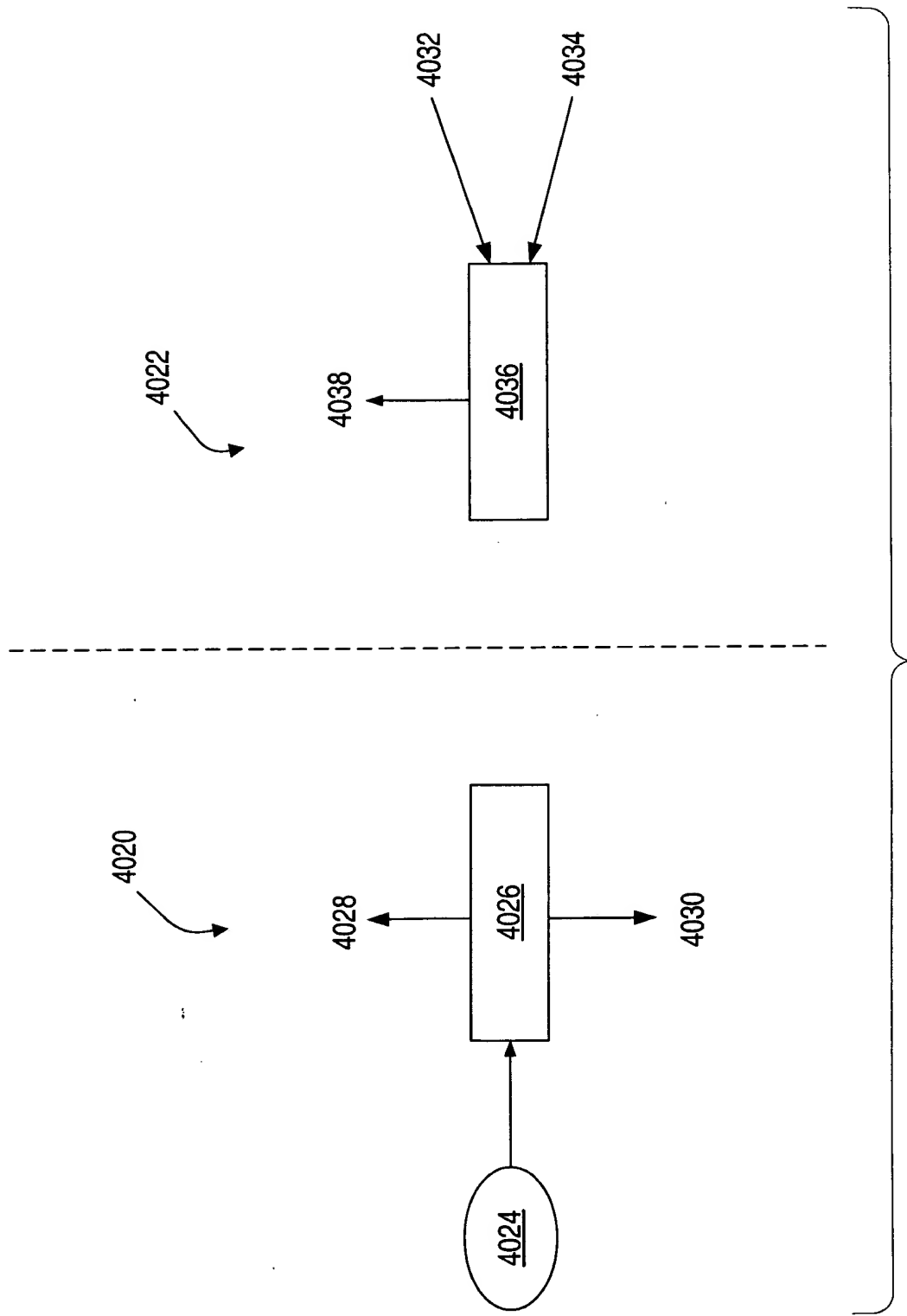


FIG. 161

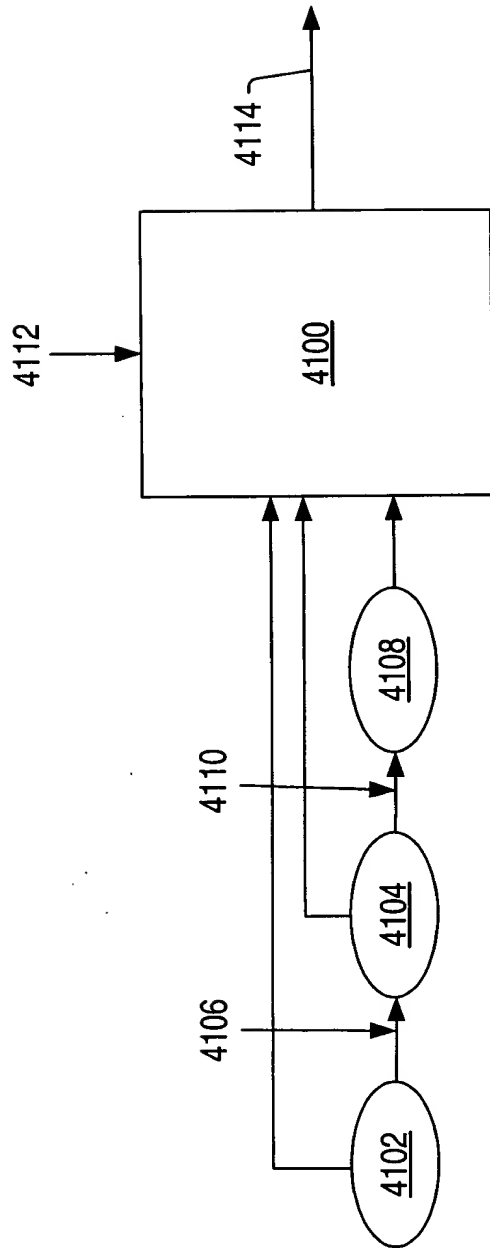


FIG. 162

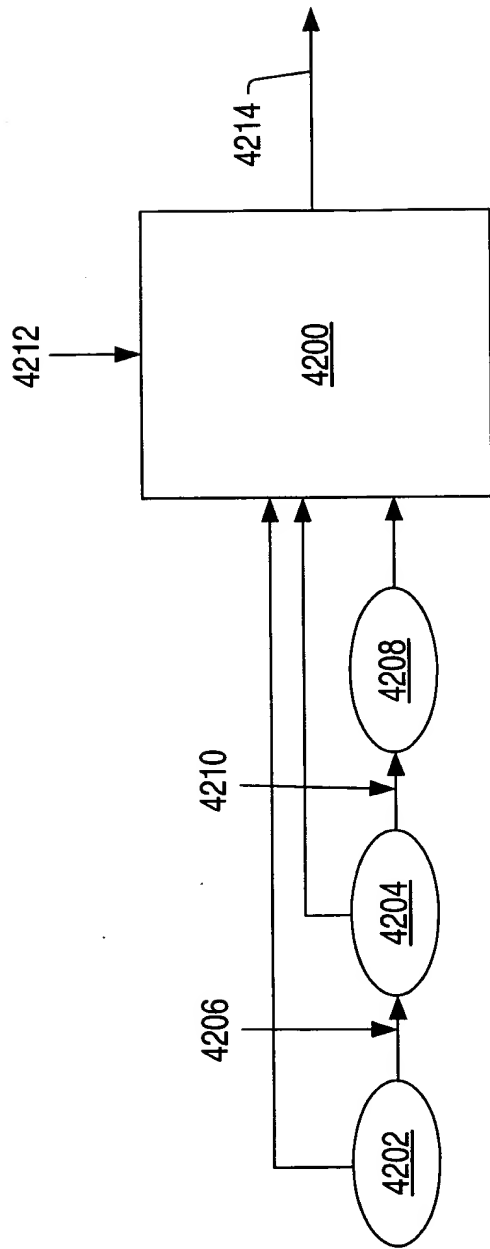


FIG. 163



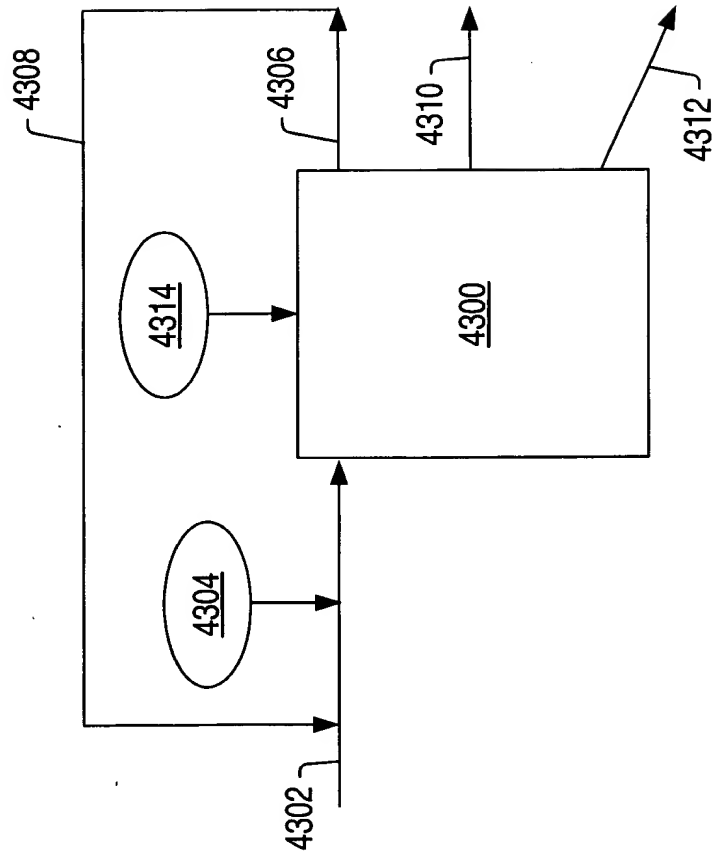


FIG. 164

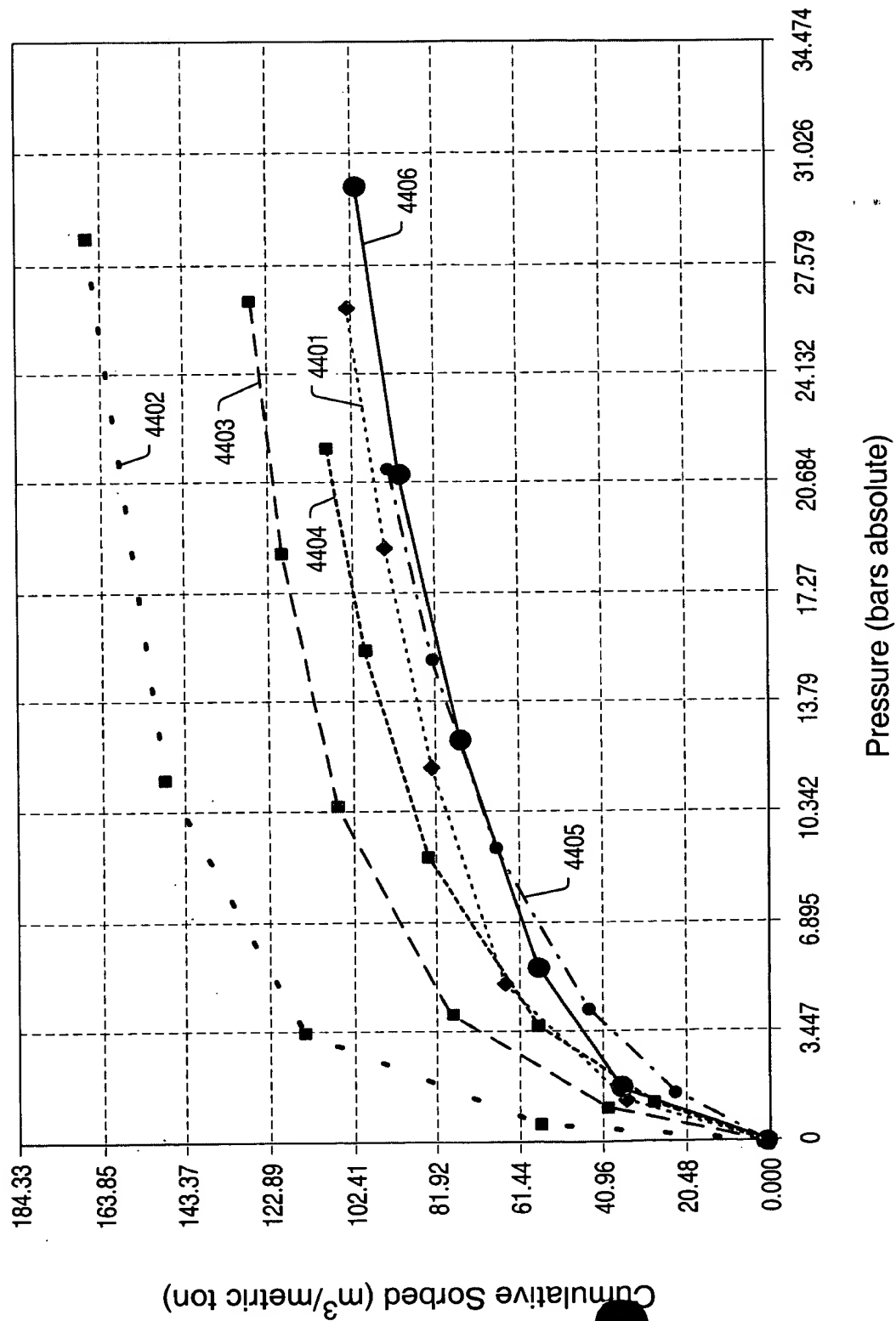


FIG. 165

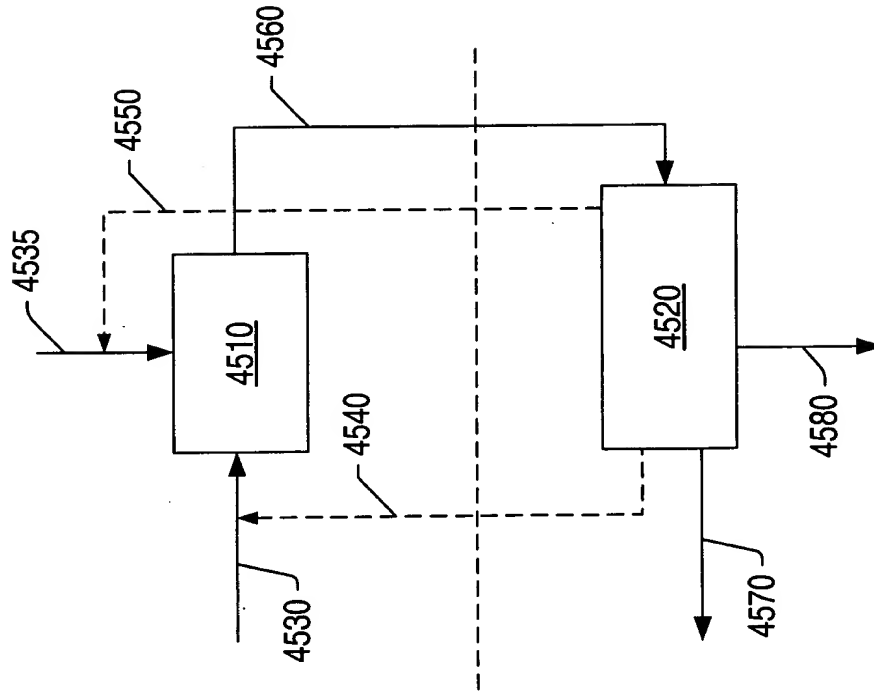


FIG. 166

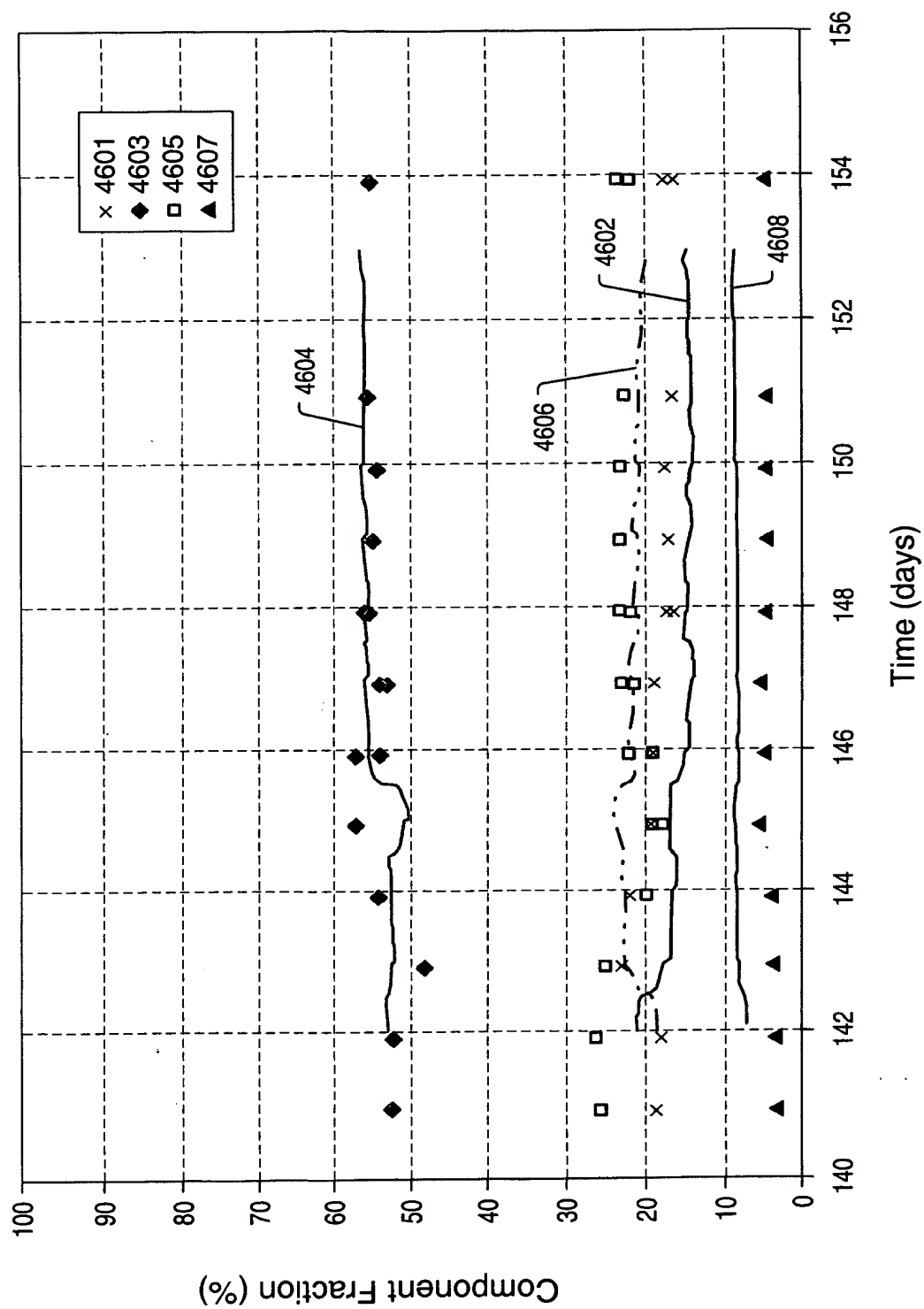


FIG. 167

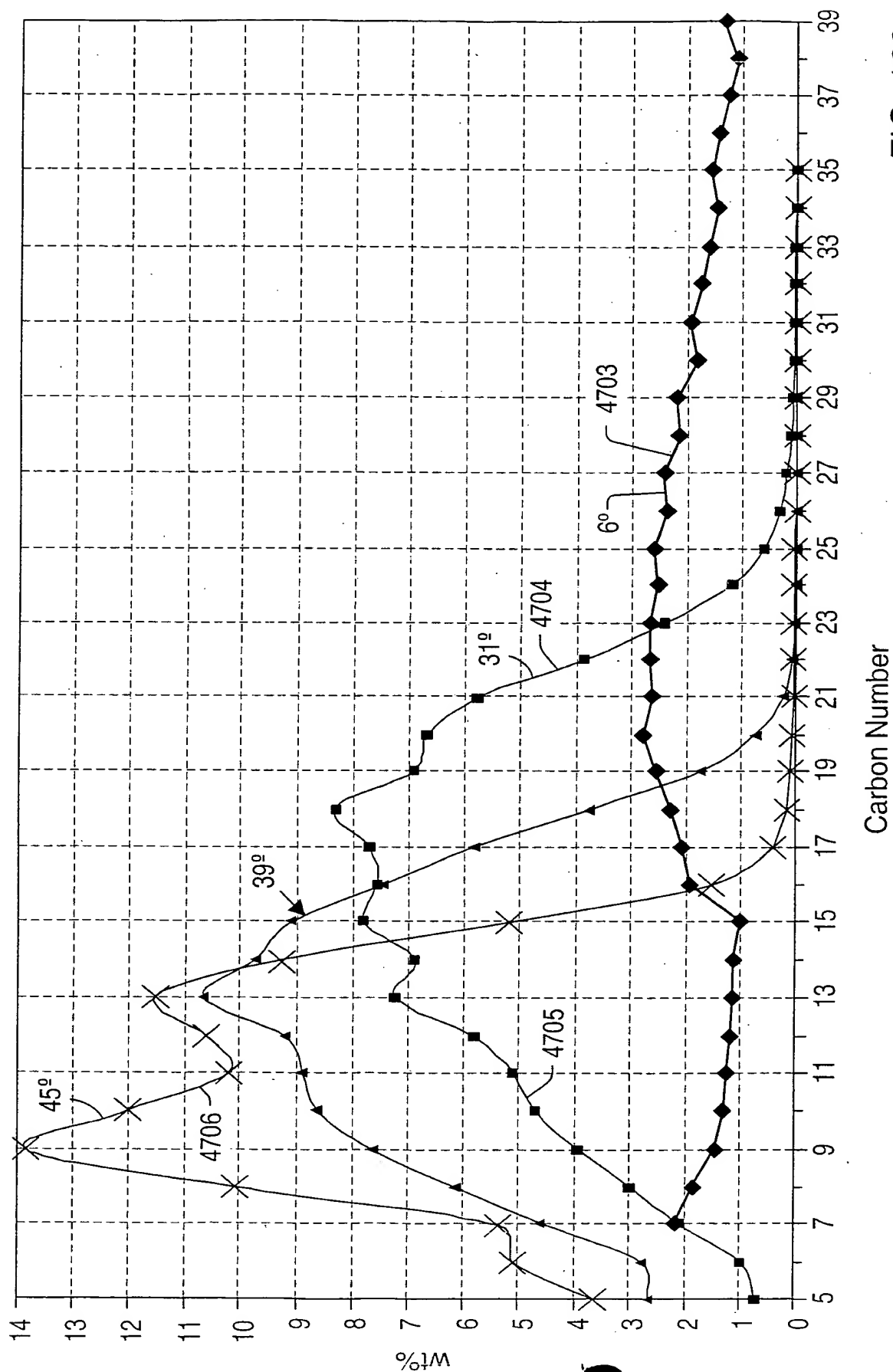


FIG. 168

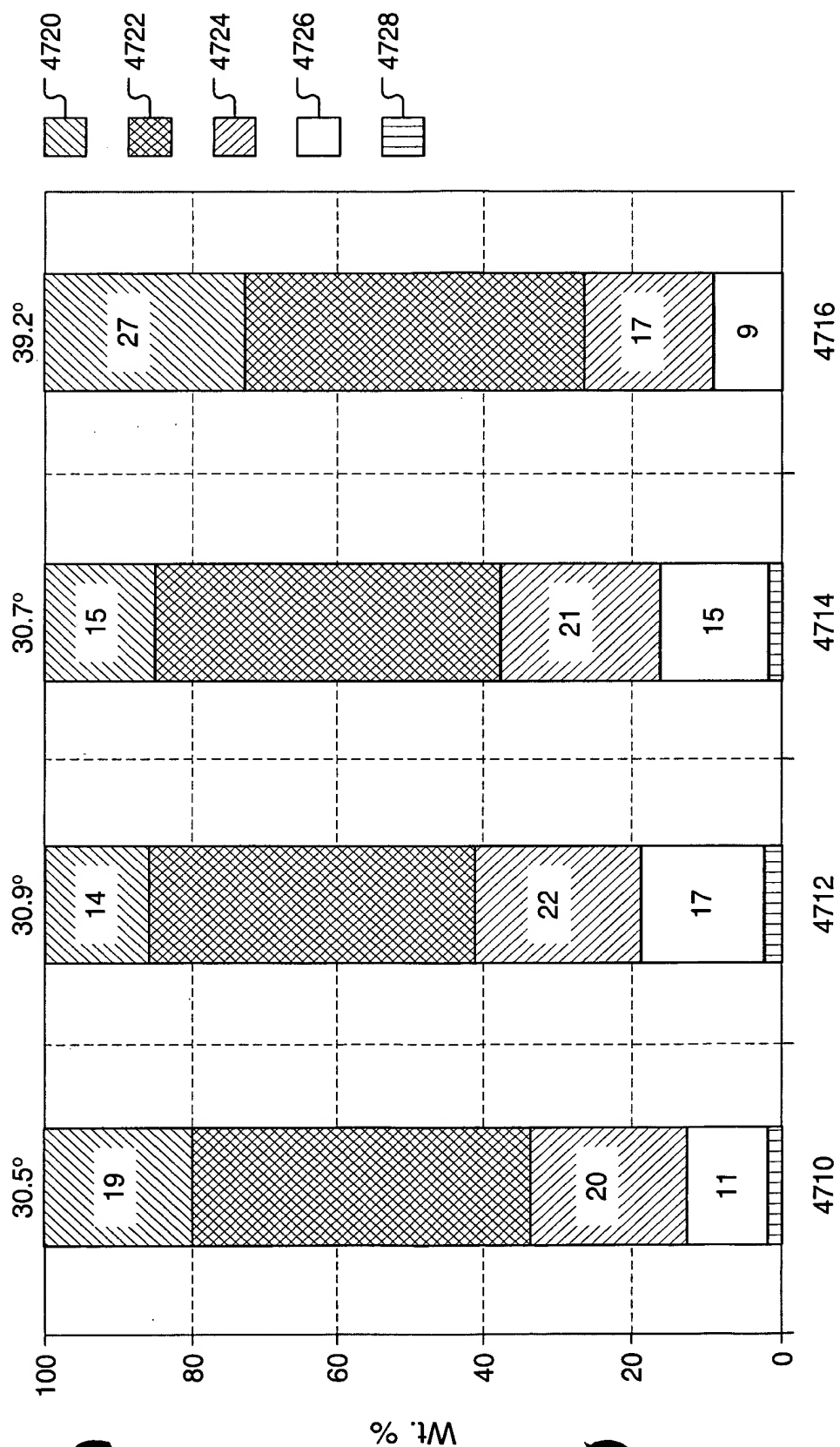


FIG. 169

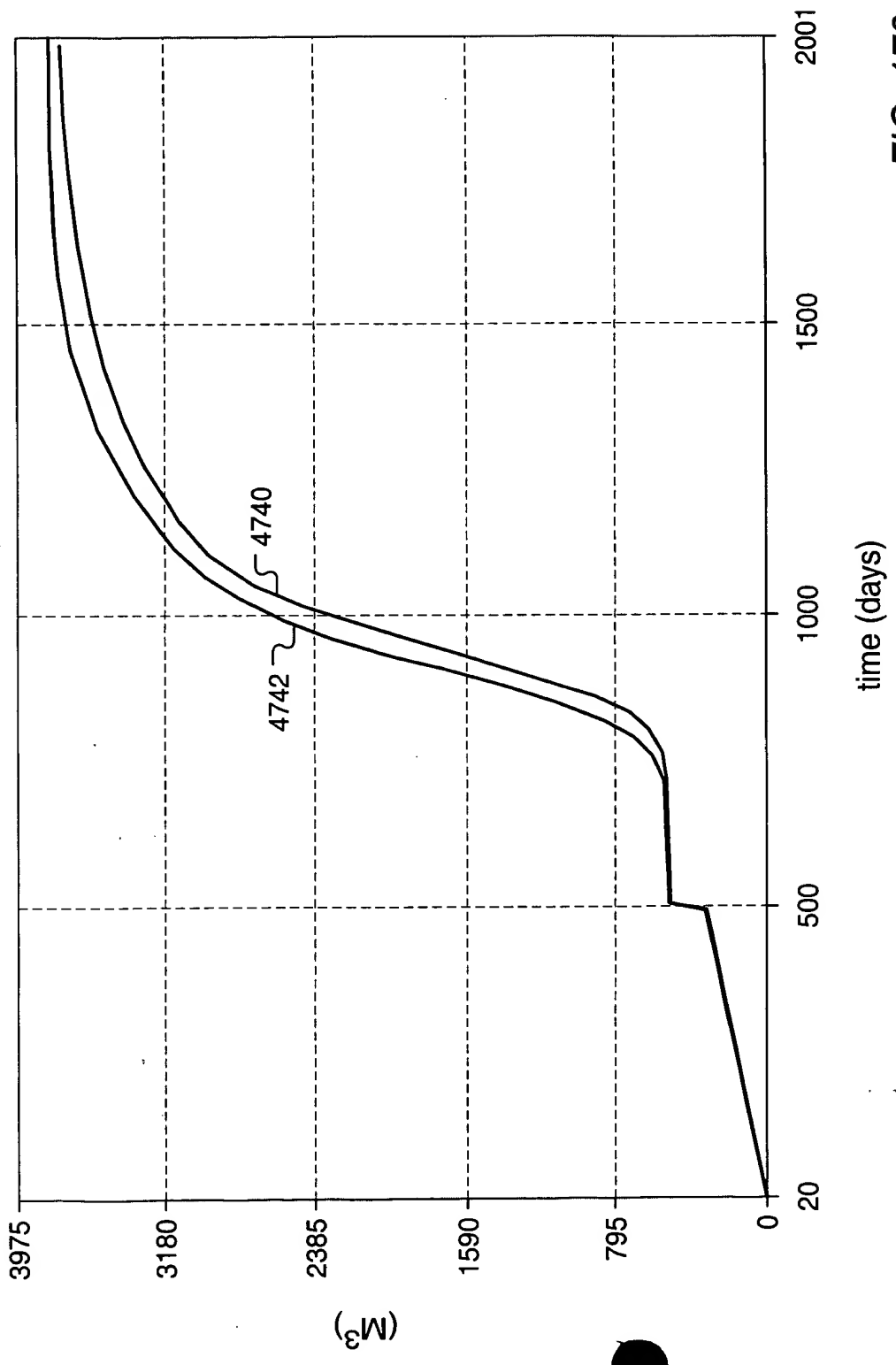


FIG. 170

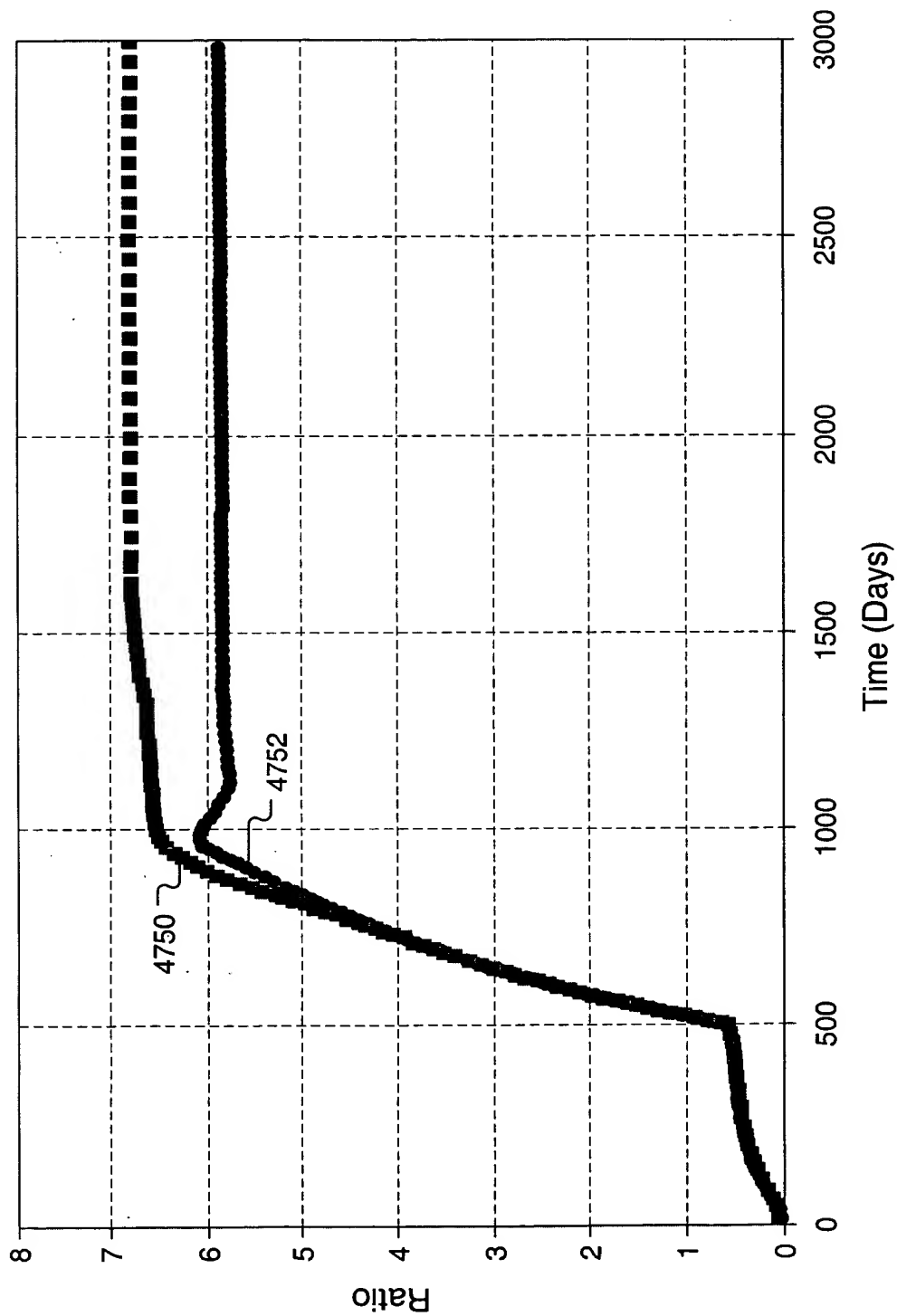


FIG. 171



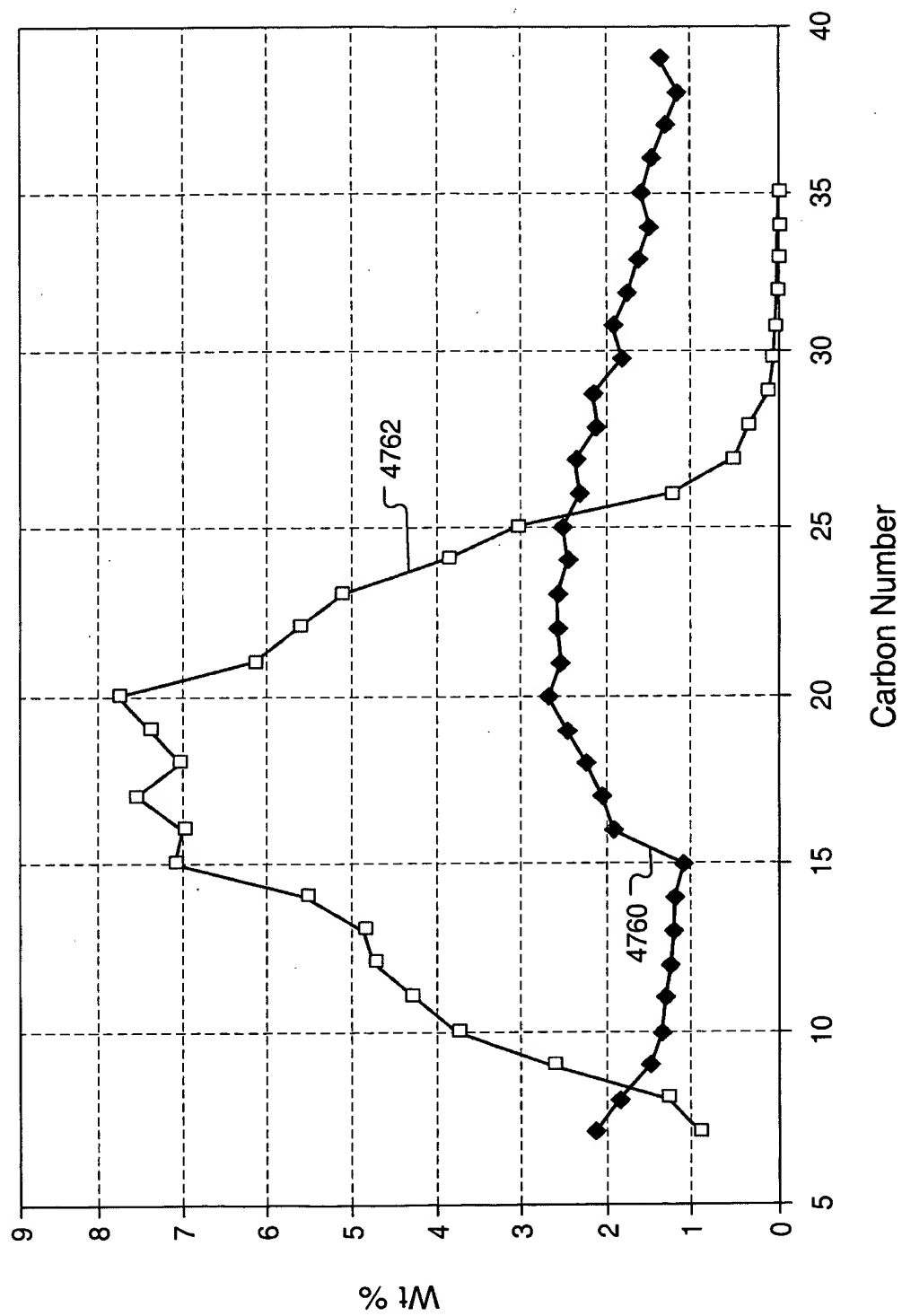


FIG. 172

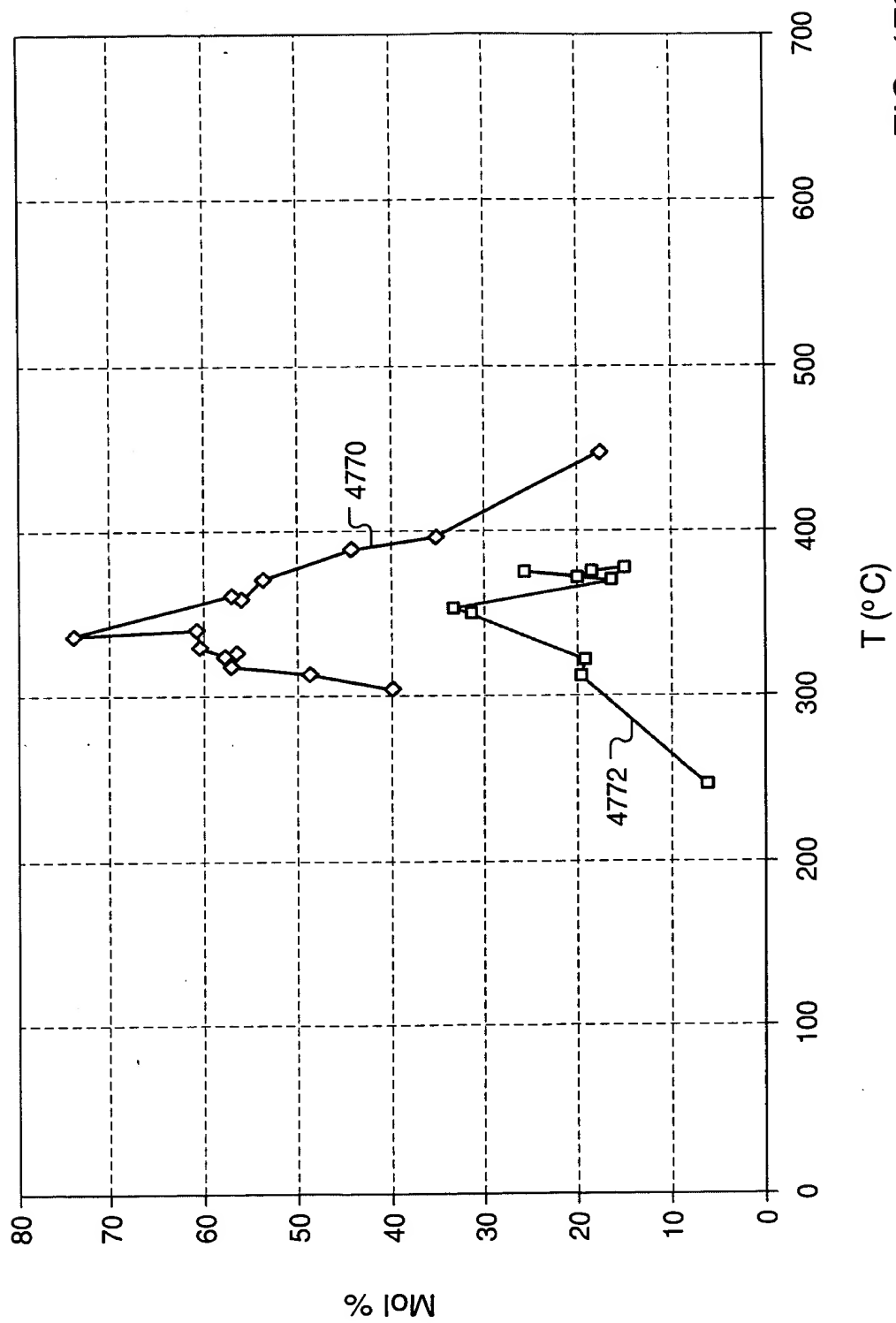


FIG. 173

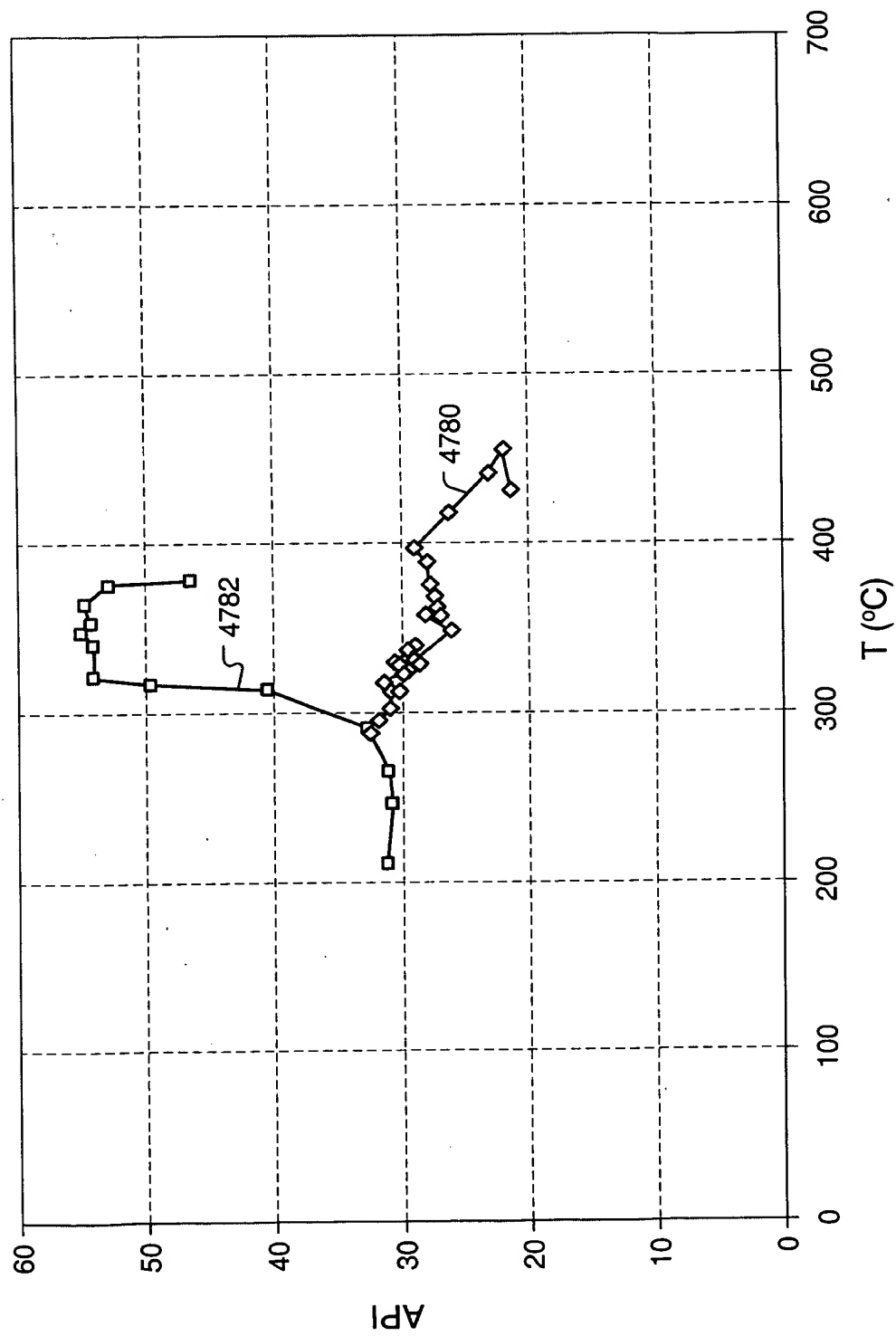
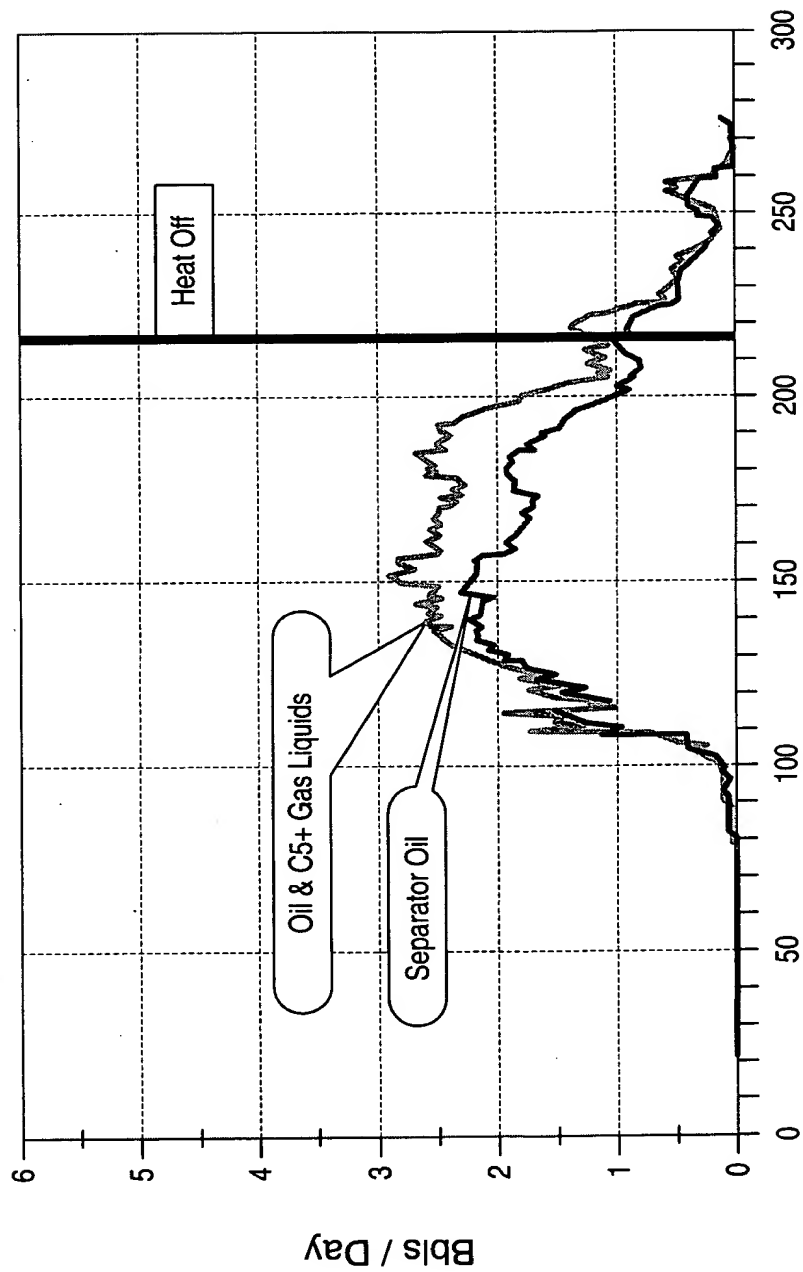


FIG. 174



Days From Start of Heat Injection

FIG. 175

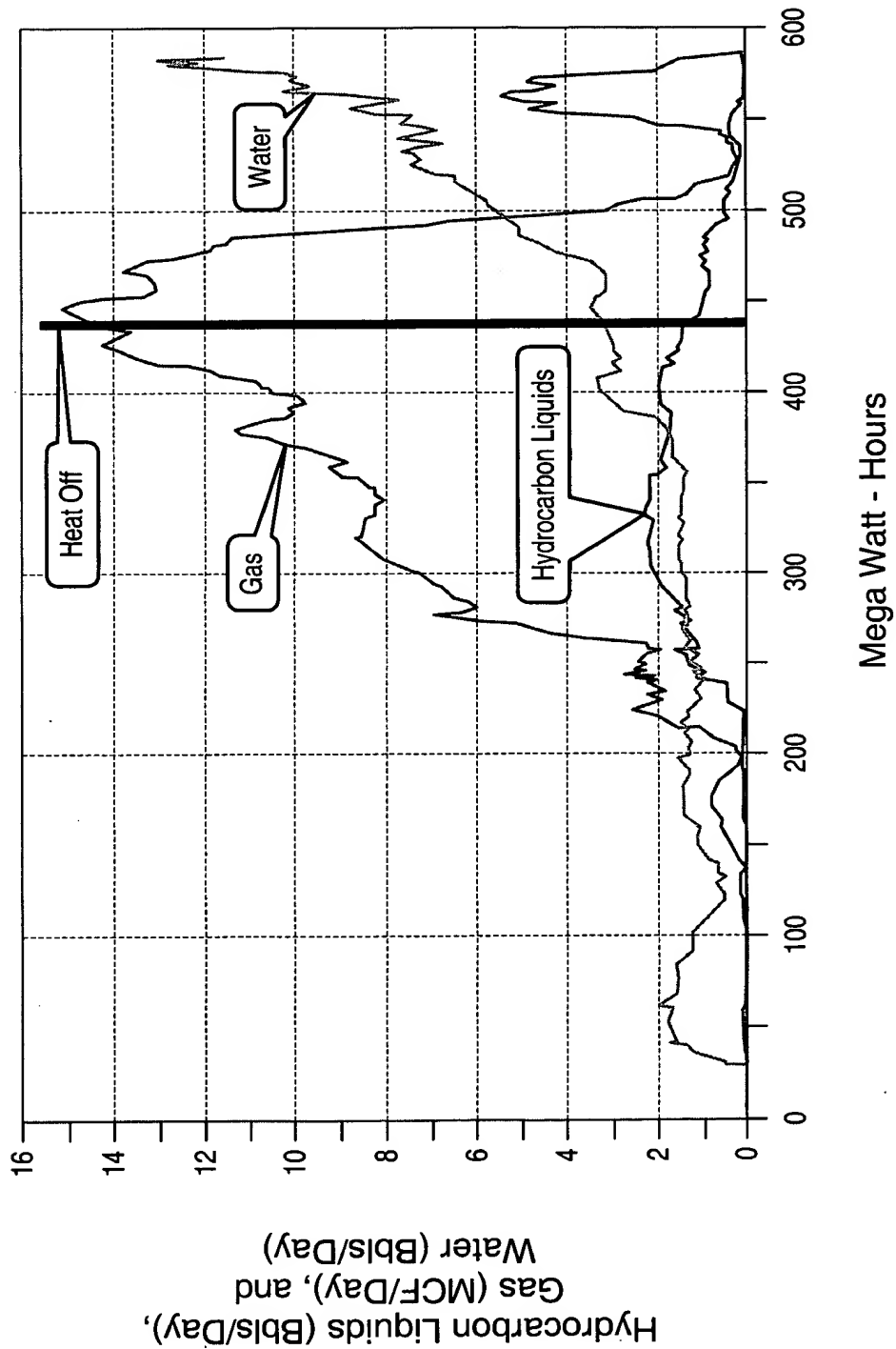


FIG. 176

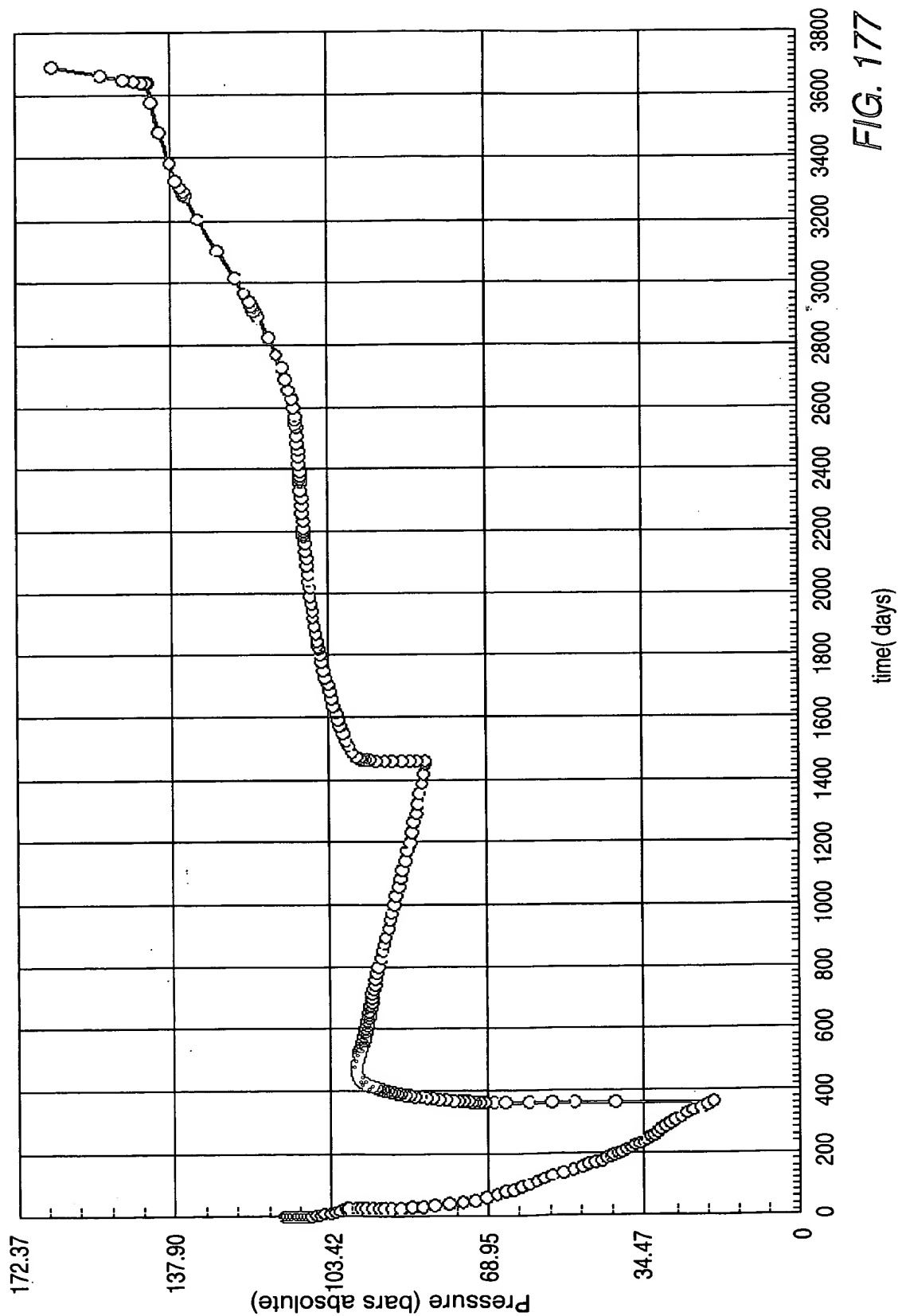


FIG. 177

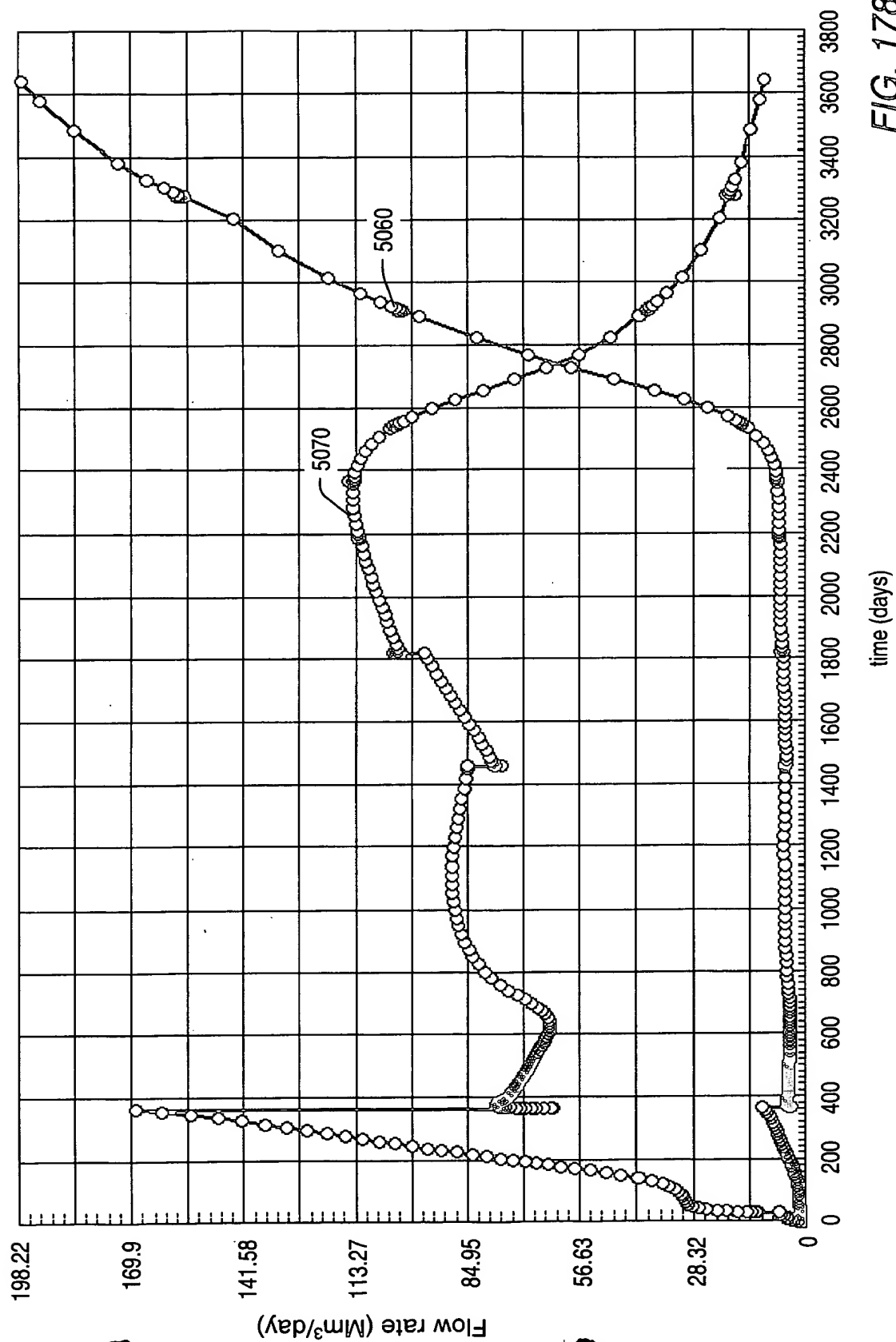


FIG. 178

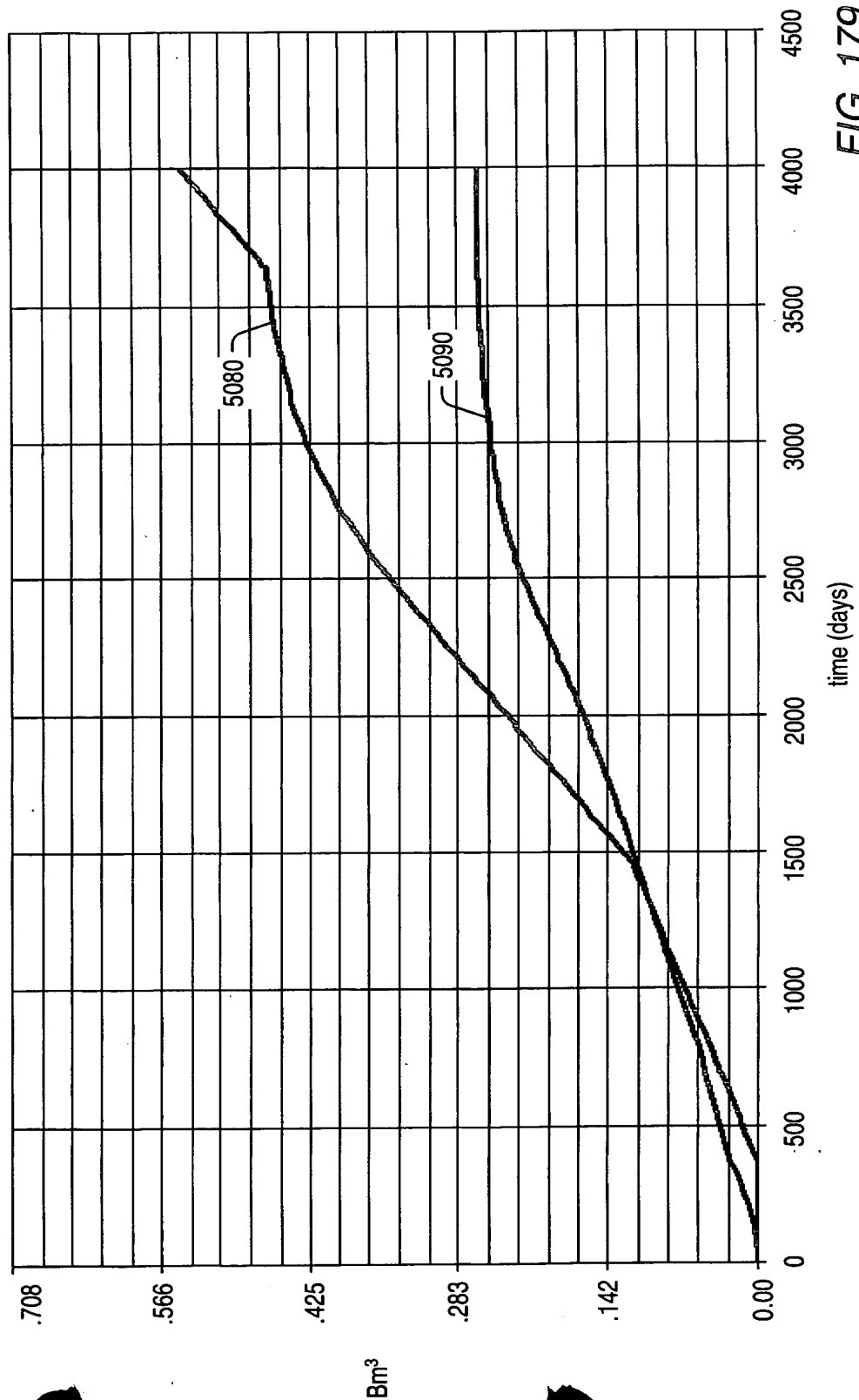


FIG. 179



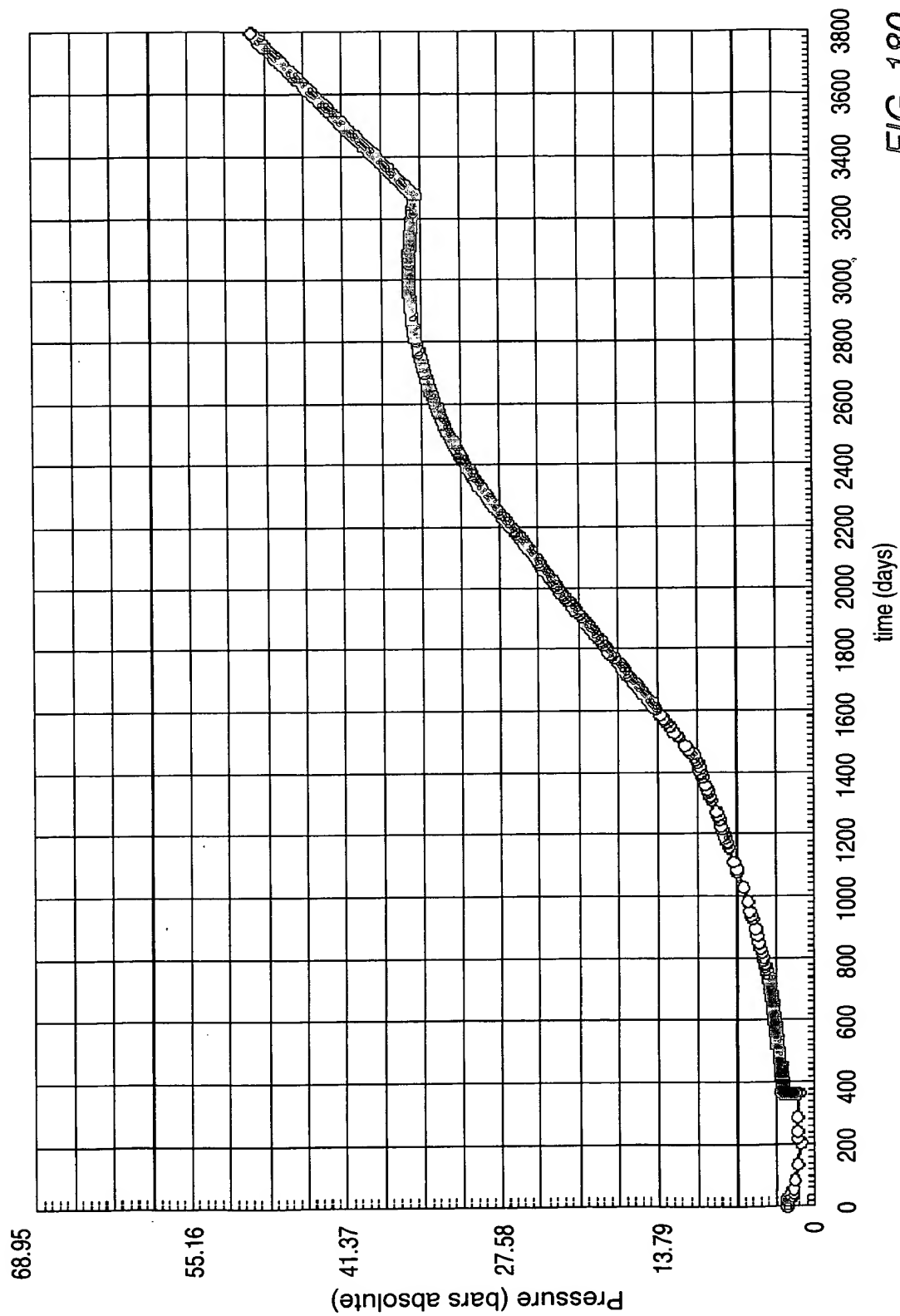


FIG. 180

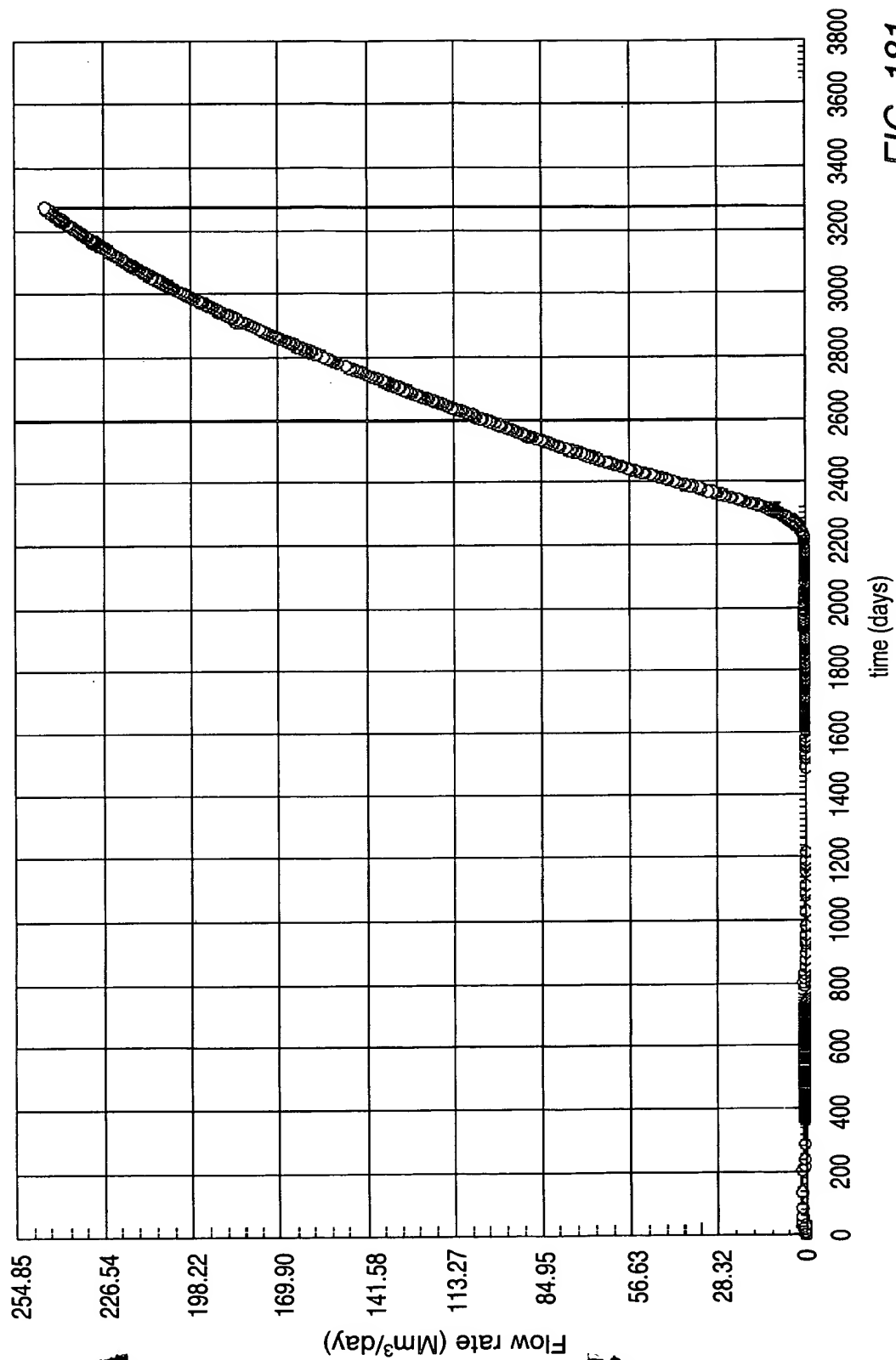


FIG. 181

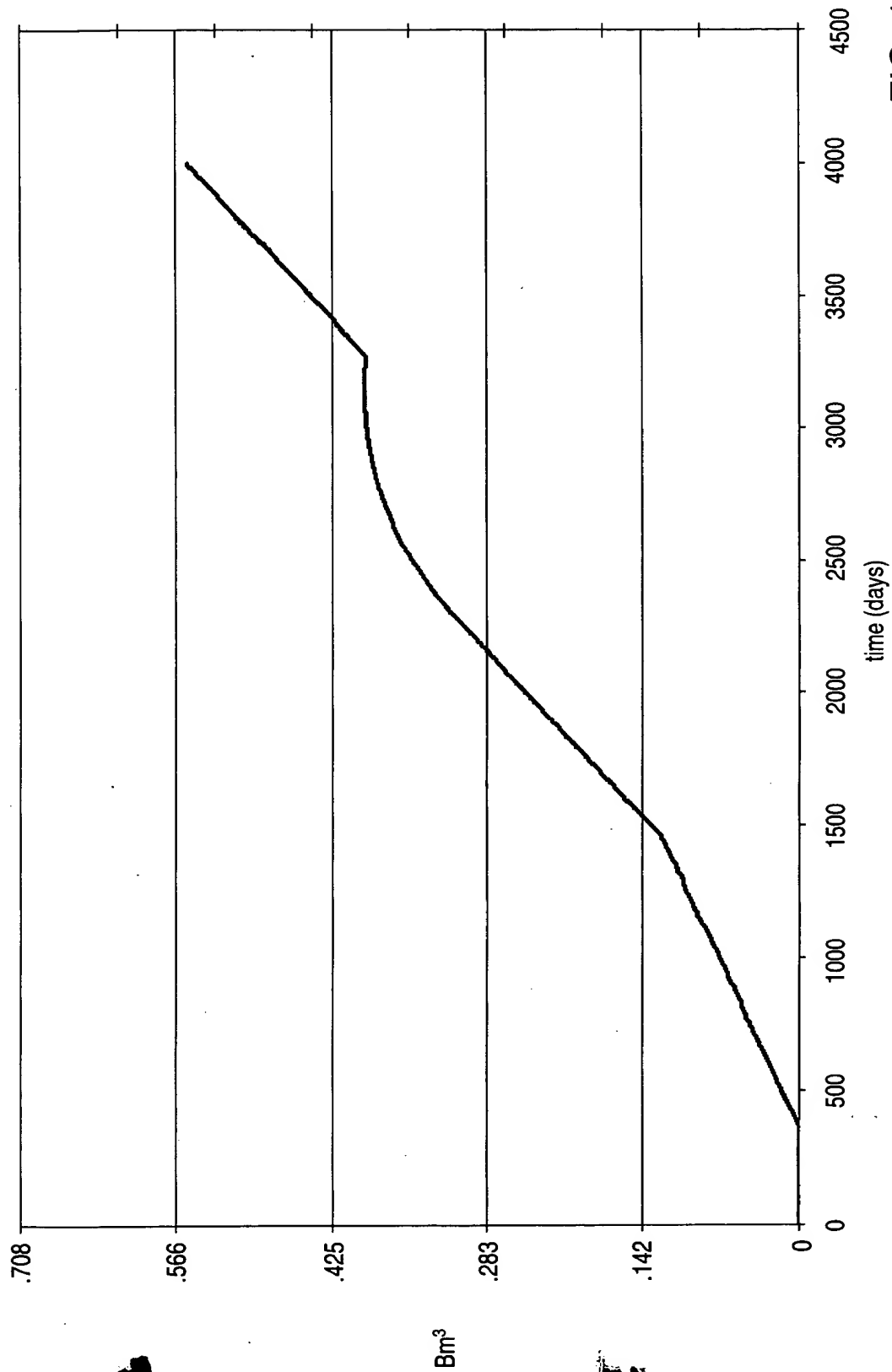


FIG. 182